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PUBLIC HEALTH REPORTS.

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RESULTS OF MICROSCOPIC EXAMINATION FOR HOOKWORM DISEASE IN A PUBLIC SCHOOL IN RICHMOND COUNTY, VA.

By CH. WARDELL STILES, Ph. D., Professor of Zoology, and CHARLES G. CRANE, B. S., Assistant in Zoology, Hygienic Laboratory, United States Public Health and Marine-Hospital Service.

At the request of Dr. A. C. Fisher, of Emmerton, Va., we have examined microscopically all of the pupils (white), 39 in number, of one of the public schools in the Washington district, Richmond County, Va., to determine the frequency of hookworm infection.

Of these 39 children (23 boys, 16 girls), 37 pupils, or 94.8 per cent harbor hookworms, as demonstrated microscopically by finding the eggs. The 2 negative cases are children from Washington, D. C., who moved to the county only last fall.

Blank cards were furnished to Doctor Fisher for certain data in connection with each child. From these cards the following information has been tabulated:

Actual and apparent age.—The actual age of the pupils varies from 7 to 17 years. Of the 21 boys showing infection, 11 pupils, or 52.3 per cent, were judged by Doctor Fisher as appearing younger than they actually are, that is to say they are underdeveloped for their age. The total actual age for the 21 male cases is 243 years, giving an average of 11.5 years; their total apparent age is 221 years, giving an average of 10.5 years; thus they average 1 year in underdevelopment; this underdevelopment is given as 1 year for 4 boys, 2 years for 3 boys, and 3 years for 4 boys.

Of the 16 girls, 6 pupils, or 37.5 per cent, were judged as apparently younger than they actually are; their total actual age is 199.6 years, giving an average of 12.4 years; their total apparent age is 188.6 years, giving an average of 11.7 years; thus they average 0.7 year in underdevelopment; this underdevelopment is estimated at 1 year for 1 girl, and 2 years for 5 girls.

The total actual age for the 37 infected pupils is 442.6 years, giving an average of 11.9 years; the total apparent age is 409.6 years, giving an average of 11.0 years; thus, the total underdevelopment of the 37 infected children is 33 years, or 396 months, giving an average of 0.89 year, or 10.69 months.

Sanitary condition of the homes.—Of the 39 children, 17 pupils, or 43.5 per cent, are living in homes which are not provided with any privy—in other words, they are living on a theoretical maximum of soil pollution; 5 of these 17 children, or 29.3 per cent, report that there has been typhoid fever in their families within the past 10 years. The

remaining 22 pupils live on farms with a surface privy open in back; 3 of these children, or 13.6 per cent, report typhoid fever in their families within the past 10 years.

Ground itch.—As some of the children are very young, their testimony as to ground itch is not altogether satisfactory; 19 report having had ground itch, 12 (including the 2 negative cases) deny ground itch, and 8 report that they do not recall whether or not they have had it.

Farm life.—The 37 children infected with hookworm disease have spent their entire life on farms.

The foregoing statistics need not be surprising to any person who has followed the recent work on hookworm disease and who is acquainted with rural sanitation in the South.

The point may be emphasized that the foregoing statements as to underdevelopment and sanitation are based upon local (Virginia) testimony. Our part of the work has been confined to the laboratory examinations.

UNITED STATES.

REPORTS TO THE SURGEON-GENERAL, PUBLIC HEALTH AND MARINE-HOSPITAL SERVICE.

PLAGUE-PREVENTION WORK.

Infected Ground Squirrels.

A plague-infected squirrel was found March 25, 1910, in Oakland Township, Alameda County, Cal.

Summary of Examinations at Plague Laboratories at San Francisco and Oakland, Cal.

Passed Assistant Surgeon McCoy reports:

Week ended April 2, 1910. The animals examined for plague were as follows: 4,940 rats, of which 2,011 were *Mus norvegicus*, 68 *Mus rattus*, 103 *Mus alexandrinus*, and 71 *Mus musculus;* 2,651 squirrels, 19 rabbits, 17 gophers.

Doctor McCoy further reports:

SAN FRANCISCO, CAL.

Last case of human plague sickened January 30, 1908. Last case of rodent plague trapped October 23, 1908. Total number of rats found infected to date, 398.

Week ended April 2, 1910. Premises inspected, 1,158. Buildings destroyed, 13. Buildings condemned, 9. Nuisances abated, 133. Poisons placed, 8,160. Rats trapped, 2,007. Rats found dead, 33. Gophers trapped, 17. Squirrels trapped, 1. Rats identified, 2,040, as follows: *Mus norvegicus*, 1,563; *Mus rattus*, 68; *Mus musculus*, 306; *Mus alexandrinus*, 103. Average number of traps set daily, 7,526. Examined bacteriologically, 1,752 rats, 17 gophers, and 1 squirrel. No plague infection found.

BERKELEY, CAL.

There is no record of rodent plague in Berkeley. The last case of human plague sickened August 28, 1907.

Week ended April 2, 1910. Rats trapped, 20. Rats examined bacteriologically, 20. No plague-infected rats found.

OAKLAND, CAL.

Last case of human plague sickened October 26, 1909. Last case of rodent plague found December 1, 1908.

Week ended April 2, 1910. Rats found dead, 15. Rats trapped, 533. Rats identified, 548, as follows: *Mus norvegicus*, 483; *Mus musculus*, 65. Rats examined bacteriologically, 481. No plague-infected rats found.

ALAMEDA COUNTY, CAL. (EXCLUSIVE OF THE CITY OF OAKLAND).

Last case of human plague sickened 2 miles southwest of Sunol, September 26, 1909. Last plague-infected rodent found March 25, 1910. To the present time 76 ground squirrels and 1 wood rat have been found infected.

Week ended April 2, 1910. Ranches inspected, 6. Ground squirrels shot, 144. Acres covered with poison, 77. Ground squirrels examined bacteriologically, 144. One plague-infected squirrel was found in Oakland Township, March 25.

FRESNO COUNTY, CAL.

There is no record of human or rodent plague in Fresno County.

Week ended April 2. Ranches inspected, 30. Ground squirrels shot, 878. Ground squirrels examined bacteriologically, 871. No plague-infected squirrels found.

MADERA COUNTY, CAL.

There is no record of human or rodent plague in Madera County.

Week ended April 2. Ranches inspected, 1. Ground squirrels shot, 71. Ground squirrels examined bacteriologically, 69. No plague-infected squirrels found.

MERCED COUNTY, CAL.

There is no record of human or rodent plague in Merced County.

Week ended April 2. Ranches inspected, 9. Ground squirrels shot, 303. Rabbits shot, 17. Examined bacteriologically, 300 squirrels and 17 rabbits. No plague infection found.

MONTEREY COUNTY, CAL.

There is no record of human or rodent plague in Monterey County.

Week ended April 2. Ranches inspected, 33. Ground squirrels shot, 250. Ground squirrels examined bacteriologically, 246. No plague-infected squirrels found.

SAN LUIS OBISPO COUNTY, CAL.

There is no record of human plague in San Luis Obispo County. A plague-infected rodent was found January 29, 1910.

Week ended April 2. Ranches inspected, 19. Ground squirrels shot, 165. Ground squirrels found dead, 41. Ground squirrels examined bacteriologically, 206. No plague-infected squirrels found.

SAN MATEO COUNTY, CAL.

There is no record of human or rodent plague in San Mateo County.

Week ended April 2. Ranches inspected, 7. Ground squirrels shot, 161. Ground squirrels examined bacteriologically, 157. No plague-infected squirrels found.

SANTA BARBARA COUNTY, CAL.

There is no record of human or rodent plague in Santa Barbara County.

Week ended April 2. Ranches inspected, 23. Ground squirrels shot, 190. Ground squirrels examined bacteriologically, 186. No plague-infected squirrels found.

SANTA CLARA COUNTY, CAL.

There is no record of human plague in Santa Clara County. A plague-infected rodent was found November 3, 1909. Total number of ground squirrels found infected to date, 9.

Week ended April 2, 1910. Ranches inspected, 4. Ground squirrels shot, 77. Ground squirrels examined bacteriologically, 75. No plague-infected squirrels found.

TULARE COUNTY, CAL.

There is no record of human or rodent plague in Tulare County.

Week ended April 2. Ranches inspected, 8. Ground squirrels shot, 301. Rabbits shot, 2. Examined bacteriologically, 297 squirrels and 2 rabbits. No plague infection found.

VENTURA COUNTY, CAL.

There is no record of human or rodent plague in Ventura County.

Week ended April 2. Ranches inspected, 7. Ground squirrels shot, 101. Ground squirrels examined bacteriologically, 99. No plague-infected squirrels found.

SEATTLE, WASH.

Assistant Surgeon Chapin reports:

Month of March, 1910. Rats received, 4,495. Rats examined, 279. No plague-infected rats found.

The examination of rats, which was discontinued after the fire at the laboratory February 28, was resumed March 29.

SMALLPOX IN THE UNITED STATES.

Reports Received During Week Ended April 22, 1910.

Place.	Date.	Cases.	Deaths.	Remarks.
Alabama:				
Birmingham	Apr. 3-9	21		
California:				
Los Angeles	Mar. 27-Apr. 2	1		
Colorado:				
Adams County	Mar. 1-31	1		
Clear Creek County	Mar. 1-31	1		
Conejos County	Mar. 1-31	21		
Delta County	Mar. 1-31	1		
Denver County	Mar. 1-31	23		
Huerfano County	Mar. 1-31	4		
Las Animas County	Mar. 1-31	11		
Montrose County	Mar. 1-31	67		
Morgan County	Mar. 1-31	12		
Pitkin County	Mar. 1-31	4		
Prowers County	Mar. 1-31	9		
Pueblo County	Mar. 1-31	1		
Weld County	Mar. 1-31	24		
Connecticut	Mar. 1-31	None.		
District of Columbia	Apr. 3-9	3		
Florida:				
Duval County	Apr. 3-9	9		
Escambia County	Apr. 3-9	13		
Gadsden County	Apr. 3-9	2		
Illinois:				
Bond County	Mar. 1-31	2		
Cass County	Mar. 1-31	15		
Coles County	Mar. 1-31	3		
Cook County—				
Chicago	Mar. 1-31	1		
Edwards County	Mar. 1-31	3		
Livingston County	Mar. 1-31	1		

SMALLPOX IN THE UNITED STATES—Continued.

Reports Received During Week Ended April 22, 1910.

Place.	Date.	Cases.	Deaths.	Remarks.
Illinois—Continued.				
Madison County	Mar. 1-31	5		
McLean County	Mar. 1-31	1		
Morgan County	Mar. 1-31	3		
Richland County	Mar. 1-31	1		
Williamson County	Mar. 1-31	53		
Iowa:				
Audubon County	Mar. 1-31	1		
Benton County	Mar. 1-31	1		
Buchanan County	Mar. 1-31	1		
Carroll County	Mar. 1-31	1		
Cedar County	Mar. 1-31	1		
Cherokee County	Mar. 1-31	1		
Clinton County	Mar. 1-31	1		
Dallas County	Mar. 1-31	5		
Dubuque County	Mar. 1-31	7		
Jefferson County	Mar. 1-31	1		
Linn County	Mar. 1-31	1		
Lyon County	Mar. 1-31	6		
Mitchell County	Mar. 1-31	1		
Osceola County	Mar. 1-31	1		
Polk County	Mar. 1-31	34		
Poweshiek County	Mar. 1-31	13		
Scott County	Mar. 1-31	3		
Sioux County	Mar. 1-31	15		
Woodbury County	Mar. 1-31	2		
Wright County	Mar. 1-31	1		
Louisiana:				
New Orleans	Apr. 2-9	15		
Maine:				
Aroostook County—				
Caribou	Feb. 1-28	6		
Michigan:				
Alcona County	Mar. 1-31	5		
Alpena County	Mar. 1-31	1		
Antrim County	Mar. 1-31	1		
Arenac County	Mar. 1-31	6		
Bay County	Mar. 1-31	71		
Benzie County	Mar. 1-31	1		
Berrien County	Mar. 1-31	9		
Calhoun County	Mar. 1-31	2		
Cass County	Mar. 1-31	1		
Cheboygan County	Mar. 1-31	7		
Clare County	Mar. 1-31	4		
Delta County	Mar. 1-31	1		
Eaton County	Mar. 1-31	7		
Genesee County	Mar. 1-31	15		
Hillsdale County	Mar. 1-31	1		
Houghton County	Mar. 1-31	5		
Huron County	Mar. 1-31	31		
Ingham County	Mar. 1-31	3		
Ionia County	Mar. 1-31	2		
Iosco County	Mar. 1-31	3		
Keweenaw County	Mar. 1-31	1		
Lapeer County	Mar. 1-31	18		
Livingston County	Mar. 1-31	14		
Manistee County	Mar. 1-31	1		
Mecosta County	Mar. 1-31	8		
Missaukee County	Mar. 1-31	1		
Montcalm County	Mar. 1-31	9		
Montmorency County	Mar. 1-31	2		
Oakland County	Mar. 1-31	1		
Ogemaw County	Mar. 1-31	19		
Ontonagon County	Mar. 1-31	8		
Osceola County	Mar. 1-31	2		
Presque Isle County	Mar. 1-31	6		
Saginaw County	Mar. 1-31	56		
St. Clair County	Mar. 1-31	6		
Sanilac County	Mar. 1-31	4		
Shiawassee County	Mar. 1-31	2		
Tuscola County	Mar. 1-31	22		
Minnesota:				
Beltrami County	Mar. 14-20	1		
Chisago County	Mar. 7-Apr. 3	6		
Crow Wing County	Mar. 1-20	5		
Dakota County	Mar. 1-20	5		
Faribault County	Mar. 7-13	1		
Freeborn County	Mar. 1-6	2		
Hennepin County	Mar. 1-Apr. 3	42		
Hubbard County	Mar. 1-6	1		
Kandiyohi County	Mar. 28-Apr. 3	2		

SMALLPOX IN THE UNITED STATES—Continued.

Reports Received During Week Ended April 22, 1910.

Place.	Date.	Cases.	Deaths.	Remarks.
Minnesota—Continued.				
Koochiching County	Mar. 1-6	1		
Lake County	Mar. 7-13	1		
McLeod County	Mar. 7-13	1		
Martin County	Mar. 7-20	2		
Mower County	Mar. 1-e-Apr 3	5		
Nicollet County	Mar. 7-13	2		
Norman County	Mar. 7-13	1		
Olmsted County	Mar. 28-Apr. 3	1		
Ottertail County	Mar. 1-6	4		
Polk County	Mar. 1-6	1		
Ramsey County	Mar. 13-20	9		
Red Lake County	Mar. 7-20	2		
Roseau County	Mar. 21-Apr. 3	8		
St. Louis County	Mar. 1-27	23		
Scott County	Mar. 21-27	1		
Sherburne County	Mar. 21-27	1		
Swift County	Mar. 14-20	2		
Todd County	Mar. 1-20	3		
Wright County	Mar. 1-20	5		
Mississippi:				
Coahoma County	Jan. 1-Apr. 1	80		
Missouri:				
St. Louis	Apr. 2-9	8		
North Dakota:				
Barnes County	Mar. 1-31	2		
Billings County	Mar. 1-31	4	1	
Bowman County	Mar. 1-31	5		
Cass County	Mar. 1-31	7		
Grand Forks County	Mar. 1-31	1		
Griggs County	Mar. 1-31	1		
Nelson County	Mar. 1-31	4		
Steele County	Mar. 1-31	3		
Walsh County	Mar. 1-31	56		
Wells County	Mar. 1-31	23		
Williams County	Mar. 1-31	1		
Oklahoma, general	Jan. 1-31	238	2	
Tennessee:				
Knoxville	Apr. 2-9	1		
Memphis	Mar. 28-Apr. 2	9		
Texas, general	Jan. 1-31	706	16	This includes cases previously reported for January and February.
	Feb. 1-28	785	12	
Fort Worth	Mar. 1-31	12	3	
Waco	Mar. 1-31	14		
Virginia:				
Lynchburg	Apr. 3-9	3		
Richmond	Jan. 1-Feb. 28	6		
Wisconsin:				
Ashland County	Mar. 1-31	7		
Buffalo County	Mar. 1-31	2		
Crawford County	Mar. 1-31	10		
Clark County	Mar. 1-31	2		
Dodge County	Mar. 1-31	2		
Dane County	Mar. 1-31	13		
Douglas County	Mar. 1-31	14		
La Crosse County	Mar. 1-31	6		
Manitowoc County	Mar. 1-31	7		
Rock County	Mar. 1-31	2		
Winnebago County	Mar. 1-31	1		

SMALLPOX IN OKLAHOMA FROM OCTOBER 1, 1908, TO JANUARY 31, 1910.

The following information was received from the state board of health under date of March 18, 1910:

During the last quarter of the year 1908 smallpox was reported in the State of Oklahoma as follows:

October, 38 cases; November, 74 cases; December, 119 cases with 2 deaths; total, 231 cases, 2 deaths.

During the year ended December 31, 1909, smallpox was reported as follows: January, 203 cases, 2 deaths; February, 202 cases, 1 death; March, 191 cases, 2 deaths; April, 263 cases; May, 173 cases;

June, 114 cases; July, 18 cases; August, 17 cases, 1 death; September, 20 cases; October, 55 cases; November, 41 cases; December, 137 cases; total, 1,434 cases, 6 deaths.

During the month of January, 1910, 238 cases of smallpox with 2 deaths were reported.

Reports Received from January 1 to April 15, 1910.

For reports received from June 25, 1909, to December 31, 1909, see PUBLIC HEALTH REPORTS for December 31, 1909. In accordance with custom, the tables of epidemic diseases are terminated semiannually and new tables begun.]

Place.	Date.	Cases.	Deaths.	Remarks.
Alabama:				
Birmingham	Jan. 9–Feb. 12	29		
Mobile	Jan. 16–Apr. 2	9		
Montgomery	Dec. 19–Apr. 2	441	1	
Total for State		479	1	
Arkansas:				
Argenta	Jan. 22–Feb. 12	11		
Little Rock	Jan. 1–Mar. 12	92		
Lonoke	Jan. 6–20	2		
Monticello	Year 1909	60		
Total for State		165		
California:				
Berkeley	Dec. 26–Jan. 1	1		
Los Angeles	Jan. 12–Mar. 19	5		
Oakland	Dec. 26–Jan. 1	1		
Sacramento County	Jan. 1–31		1	
Sacramento	Dec. 12–Feb. 28	54		
San Francisco	Dec. 19–Mar. 26	23		
Total for State		84	1	
Colorado:				
Bent County	Feb. 1–28	10		
Boulder County—				
Boulder	Dec. 19–25	1		
Chaffee County	Jan. 1–31	6		
Conejos County	Jan. 1–Feb. 28	29		
Denver County	Jan. 1–Feb. 28	18		
Fremont County	Feb. 1–28	14		
Garfield County	Jan. 1–31	1		
Huerfano County	Jan. 1–Feb. 28	12		
Jefferson County	Feb. 1–28	1		
La Plata County	Feb. 1–28	4		
Larimer County	Jan. 1–31	4		
Las Animas County	Jan. 1–Feb. 28	14		
Logan County	Jan. 1–Feb. 28	17		
Mesa County	Jan. 1–31	4		
Fruita district	Dec. 26–Jan. 1	3		
Montrose County	Jan. 1–Feb. 28	19		
Morgan County	Jan. 1–Feb. 28	16		
Otero County	Jan. 1–31	1		
Ouray County	Jan. 1–Feb. 28	13		
Pitkin County	Feb. 1–28	5		
Pueblo County	Feb. 1–28	2		
Rio Grande County	Feb. 1–28	1		
San Miguel County	Jan. 1–31	1		
Summit County	Jan. 1–31	1		
Weld County	Jan. 1–Feb. 28	21		
Total for State		218		
District of Columbia	Dec. 19–Apr. 2	36		
Total for District		36		
Florida:				
Alachua County	Jan. 1–Feb. 26	3		
Citrus County	Mar. 27–Apr. 2	2		
Columbia County	Feb. 13–19	2		
Duval County	Jan. 1–Apr. 2	8		
Jacksonville	Jan. 30–Mar. 12	4		
Escambia County	Feb. 6–Apr. 2	47		
Pensacola	Feb. 20–26	1		
Gadsden County	Jan. 1–31	2		
Hillsboro County	Jan. 1–31	1		

SMALLPOX IN THE UNITED STATES—Continued.

Reports Received from January 1 to April 15, 1910.

Place.	Date.	Cases.	Deaths.	Remarks.
Florida—Continued.				
Jackson County	Mar. 20-26	19		
Jefferson County	Mar. 20-26	15		
Leon County	Feb. 20-Mar. 26	24		
Liberty County	Jan. 1-31	1		
Santa Rosa County	Mar. 20-Apr. 2	6		
Volusia County	Mar. 6-12	1		
Walton County	Jan. 1-31	3		
Total for State		139		
Georgia:				
Macon	Jan. 1-31	51		
Total for State		51		
Illinois:				
Alexander County	Jan. 1-31	6		
Cass County	Feb. 1-28	1		
Coles County	Jan. 1-31	4		
Cook County—				
Chicago	Dec. 19-Feb. 28	3		
Dupage County	Feb. 1-28			Present.
Edwards County	Jan. 1-Feb. 28	29		
Effingham County	Jan. 1-Feb. 28	82		
Fayette County	Jan. 1-Feb. 28	2		
Franklin County	Jan. 1-31	6		
Gallatin County	Feb. 1-28	2		
Iroquois County	Feb. 1-28	1		
Jackson County	Jan. 1-Feb. 28	3		
Jasper County	Feb. 1-28			Do.
Kane County	Jan. 1-31	1		
Livingston County	Feb. 1-28	3		
Macon County	Jan. 1-31	1		
McLean County	Jan. 1-31	1		
Madison County	Feb. 1-28	1		
Marion County	Feb. 1-28	2		
Montgomery County	Jan. 1-Feb. 28	10		
Pike County	Feb. 1-28	2		
Pulaski County	Jan. 1-31	2		
Sangamon County	Jan. 1-31	4		Do.
Shelby County	Jan. 1-Feb. 28	10		
Wabash County	Jan. 1-31			Do.
Wayne County	Jan. 1-31	5		
Williamson County	Jan. 1-Feb. 28	23		
Total for State		204		
Indiana:				
Adams County	Oct. 1-Feb. 28	6		
Allen County	Oct. 1-Jan. 31	187	1	
Boone County	Feb. 1-28	3		
Carroll County	Nov. 1-Jan. 21	2		
Clark County	Dec. 1-Jan. 31	20		
Clinton County	Dec. 1-Feb. 28	45		
Crawford County	Jan. 1-Feb. 28	2		
Daviess County	Nov. 1-Feb. 28	30		
Decatur County	Jan. 1-Feb. 28	5		
Dekalb County	Dec. 1-Apr. 2	4		
Delaware County	Oct. 1-Nov. 30	20		
Fountain County	Jan. 1-31	1		
Fulton County	Jan. 1-Apr. 2	12		
Grant County	Oct. 1-Apr. 2	42	1	
Greene County	Oct. 1-31	6		
Hamilton County	Jan. 1-31	4		
Henry County	Jan. 1-31	2		
Huntington County	Jan. 1-Apr. 2	4		
Jefferson County	Nov. 1-30	1		
Jennings County	Jan. 1-Apr. 2	10		
Knox County	Oct. 1-31	7		
Laporte County	Dec. 1-31	1		
Madison County	Jan. 1-Apr. 2	4		
Marion County	Dec. 1-Apr. 2	4		
Marshall County	Oct. 1-Apr. 2	82		
Martin County	Jan. 1-31	1		
Miami County	Jan. 1-Apr. 2	4		
Montgomery County	Jan. 1-31	2		
Noble County	Nov. 1-Jan. 31	2		
Randolph County	Oct. 1-Apr. 2	2		
St. Joseph County	Oct. 1-Apr. 2	24		
Shelby County	Dec. 1-Apr. 2	49		

SMALLPOX IN THE UNITED STATES—Continued.

Reports Received from January 1 to April 15, 1910.

Place.	Date.	Cases.	Deaths.	Remarks.
Indiana—Continued.				
Steuben County	Nov. 1-30	3		
Tippecanoe County	Dec. 1-Apr. 2	4		
Vanderburg County	Oct. 1-31	8		
Vigo County	Feb. 1-28	1		
Wabash County	Feb. 1-28	7		
Warren County	Nov. 1-30	1		
Warrick County	Feb. 1-28	1		
Washington County	Jan. 1-31	1		
Wayne County	Nov. 1-Jan. 31	1		
Total for State		615	2	
Iowa, general	Jan. 1-31	19		
Buchanan County	Feb. 1-28	8		
Buena Vista County	Jan. 1-31	1		
Calhoun County	Jan. 1-31	10		
Cass County	Jan. 1-31	1		
Cedar County	Jan. 1-31	3		
Cherokee County	Jan. 1-31	24		
Clayton County	Jan. 1-31	1		
Dallas County	Jan. 1-31	1		
Delaware County	Feb. 1-28	4		
Dubuque County	Jan. 1-Feb. 28	40		
Floyd County	Feb. 1-28	2		
Grundy County	Feb. 1-28	4		
Jones County	Jan. 1-Feb. 28	3		
Linn County	Jan. 1-31	7		
Cedar Rapids	Dec. 1-31	7		
Madison County	Jan. 1-31	1		
Marion County	Jan. 1-31	2		
Marshall County	Jan. 1-Feb. 28	5		
Mitchell County	Feb. 1-28	1		
Monroe County	Jan. 1-Feb. 28	3		
Polk County	Jan. 1-Feb. 28	41		
Pottawattamie County	Jan. 1-31	1		
Poweshiek County	Jan. 1-31	6		
Scott County	Feb. 1-28	2		
Sioux County	Jan. 1-Feb. 28	17		
Story County	Feb. 1-28	17		
Winnebago County	Feb. 1-28	5		
Woodbury County	Feb. 1-28	1		
Sioux City	Dec. 1-31	2		
Wright County	Feb. 1-28	1		
Total for State		240		
Kansas:				
Allen County	Jan. 1-Mar. 31	7		
Atchison County	Feb. 1-Mar. 31	10		
Atchison	Mar. 1-31	4		
Barton County	Jan. 1-31	1		
Bourbon County	Jan. 1-31	3		
Butler County	Feb. 1-Mar. 31	8		
Chataqua County	Mar. 1-31	10		
Cherokee County	Jan. 1-Mar. 31	21		
Clark County	Mar. 1-31	5		
Clay County	Nov. 1-30	1		
Cloud County	Nov. 1-30	1		
Cowley County	Nov. 1-30	3		
Crawford County	Dec. 1-Mar. 31	5		
Pittsburg	Jan. 1-Mar. 31	9		
Decatur County	Nov. 1-Mar. 31	39		
Dickinson County	Jan. 1-Feb. 28	11		
Doniphan County	Mar. 1-31	12		
Douglas County	Dec. 1-Mar. 31	4		
Ellsworth County	Jan. 1-Feb. 28	18		
Finney County	Jan. 1-31	1		
Ford County	Jan. 1-Mar. 31	9	1	
Franklin County	Mar. 1-31	3		
Gove County	Dec. 1-31	3		
Graham County	Nov. 1-Feb. 28	47		
Gray County	Jan. 1-Feb. 28	25		
Greenwood County	Mar. 1-31	9		
Hamilton County	Jan. 1-31	2		
Harper County	Feb. 1-28	1		
Harvey County	Feb. 1-Mar. 31	5		
Jackson County	Dec. 1-Mar. 31	12		
Jefferson County	Feb. 1-28	2		
Jewell County	Nov. 1-Mar. 31	58		
Kearny County	Jan. 1-31	1		

SMALLPOX IN THE UNITED STATES—Continued.

Reports Received from January 1 to April 15, 1910.

Place.	Date.	Cases.	Deaths.	Remarks.
Kansas—Continued.				
Kingman County	Feb. 1-28	11		
Kiowa County	Jan. 1-31	2		
Labette County	Jan. 1-Mar. 31	9		
Parsons	Mar. 1-31	4		
Lane County	Nov. 1-30	1		
Leavenworth County	Dec. 1-Feb. 28	2		
Lincoln County	Mar. 1-31	1		
Logan County	Jan. 1-31	2		
Lyon County	Dec. 1-31	1		
McPherson County	Dec. 1-Jan. 31	3		
Marion County	Mar. 1-31	1		
Marshall County	Dec. 1-31	20		
Miami County	Jan. 1-31	3		
Montgomery County	Nov. 1-Mar. 31	180		
Coffeyville	Jan. 1-Feb. 28	36		
Nemeha County	Jan. 1-31	1		
Neosho County	Jan. 1-31	1		
Ness County	Dec. 1-Mar. 31	15		
Norton County	Nov. 1-Feb. 28	40		
Osage County	Jan. 1-Mar. 31	61		
Osborne County	Mar. 1-31	4		
Phillips County	Jan. 1-Mar. 31	11		
Pottawatomie County	Nov. 1-Mar. 31	36		
Pratt County	Feb. 1-28	1		
Rawlins County	Jan. 1-Mar. 31	25		
Reno County	Nov. 1-Feb. 28	151		
Republic County	Feb. 1-Mar. 28	5		
Rice County	Jan. 1-Feb. 28	8		
Riley County	Jan. 1-Feb. 28	18		
Rooks County	Feb. 1-28	2		
Rush County	Jan. 1-31	5		
Russell County	Jan. 1-Feb. 28	4		
Saline County	Dec. 1-Mar. 31	4		
Scott County	Nov. 1-Feb. 28	19		
Sedgwick County	Dec. 1-Mar. 31	10	1	
Wichita	Jan. 1-31	1		
Shawnee County	Dec. 1-Mar. 31	58		
Topeka	Nov. 1-Mar. 31	72		
Sheridan County	Nov. 1-Jan. 31	8		
Smith County	Jan. 1-Mar. 31	5		
Sumner County	Nov. 1-Mar. 31	14		
Thomas County	Jan. 1-31	1		
Wabaunsee County	Nov. 1-Mar. 31	4		
Wilson County	Nov. 1-Feb. 28	4		
Woodson County	Jan. 1-Feb. 28	28		
Wyandotte County	Dec. 1-Jan. 31	91		
Kansas City	Jan. 1-Mar. 31	76		
Total for State		1,409	2	
Kentucky:				
Hartford	Dec. 12-18	2		
Lexington	Dec. 12-Jan. 29	4		
Paducah	Jan. 5-11	1		
Total for State		7		
Louisiana:				
Caddo Parish—				
Shreveport	Jan. 23-Feb. 28	5	2	
Iberia Parish	Feb. 1-Mar. 31	9		
Natchitoches Parish	Feb. 1-28	6		
Orleans Parish—				
New Orleans	Dec. 26-Apr. 2	117		
Morehouse Parish	Feb. 1-28	2		
St. John Parish	Feb. 1-Mar. 31	44		
St. Tammany Parish	Mar. 1-31	6		
Tensas Parish	Feb. 1-Mar. 31	17		
West Feliciana Parish	Mar. 1-31	2		
Total for State		208	2	
Maryland:				
Baltimore	Dec. 26-Jan. 1	1		
Dorchester County	Dec. 3-31	4		
Garrett County	Jan. 8-31	1		
Total for State		6		

SMALLPOX IN THE UNITED STATES—Continued.

Reports Received from January 1 to April 15, 1910.

Place.	Date.	Cases.	Deaths.	Remarks.
Massachusetts:				
Bristol County	Feb. 1-28	6		
Essex County	Jan. 1-Mar. 31	2		
Middlesex County	Jan. 1-Mar. 31	77		
Norfolk County	Mar. 1-31	1		
Lynn County	Jan. 1-31	4		
Plymouth County	Feb. 1-28	4		
Suffolk County	Jan. 1-Mar. 31	4		
Worcester County	Jan. 1-Mar. 31	23		
Total for State		121		
Michigan:				
Alcona County	Nov. 1-Jan. 31	26		
Antrim County	Nov. 1-Feb. 28	33		
Arenac County	Nov. 1-Feb. 28	136		
Bay County	Nov. 1-Feb. 28	83		
Berrien County	Jan. 1-Feb. 28	21		
Calhoun County	Feb. 1-28	1		
Cass County	Feb. 1-28	1		
Clare County	Feb. 1-28	1		
Delta County	Dec. 1-31	1		
Eaton County	Feb. 1-28	1		
Emmet County	Nov. 1-Feb. 28	4		
Genesee County	Nov. 1-Feb. 28	264		
Gladwin County	Nov. 1-Jan. 31	8		
Gratiot County	Nov. 1-30	1		
Houghton County	Nov. 1-Feb. 28	54		
Huron County	Feb. 1-28	6		
Ingham County	Dec. 1-Feb. 28	11		
Ionia County	Nov. 1-Feb. 28	40		
Iosco County	Dec. 1-Feb. 28	3	1	
Kent County	Dec. 1-Feb. 28	5		
Keweenaw County	Jan. 1-Feb. 28	3		
Lapeer County	Nov. 1-Feb. 28	7		
Livingston County	Nov. 1-Jan. 31	18		
Manistee County	Feb. 1-28	8		
Marquette County	Nov. 1-30	1		
Mason County	Nov. 1-30	1		
Mecosta County	Jan. 1-Feb. 28	11		
Midland County	Dec. 1-Feb. 28	11		
Missaukee County	Jan. 1-Feb. 28	33		
Montcalm County	Nov. 1-Feb. 28	5		
Montmorency County	Dec. 1-Feb. 28	36		
Oakland County	Jan. 1-31	1		
Oceana County	Jan. 1-31	1		
Ogemaw County	Jan. 1-Feb. 28	6		
Ontonagon County	Nov. 1-Feb. 28	12		
Osceola County	Dec. 1-Feb. 28	14		
Oscoda County	Jan. 1-Feb. 28	7		
Otsego County	Dec. 1-31	1		
Presque Isle County	Dec. 1-Jan. 31	2		
Roscommon County	Jan. 1-31	6		
Saginaw County	Dec. 1-Feb. 28	53		
St. Clair County	Jan. 1-Feb. 28	16		
Sanilac County	Nov. 1-Feb. 28	3		
Shiawassee County	Dec. 1-Feb. 28	8		
Tuscola County	Feb. 1-28	3		
Wayne County	Dec. 1-Feb. 28	8		
Total for State		975	1	
Minnesota:				
Anoka County	Feb. 1-28	5		
Becker County	Jan. 4-10	3		
Beltrami County	Dec. 21-Feb. 14	3		
Benton County	Dec. 14-20	7		
Blue Earth County	Dec. 21-27	1		
Carver County	Dec. 7-Jan. 3	4		
Chippewa County	Jan. 11-17	1		
Chisago County	Feb. 15-21	2		
Cook County	Jan. 25-31	2		
Dakota County	Feb. 1-28	4		
Dodge County	Jan. 25-31	1		
Faribault County	Feb. 8-14	1		
Freeborn County	Jan. 18-Feb. 28	18		
Goodhue County	Dec. 28-Jan. 31	1		
Hennepin County	Dec. 28-Feb. 28	38		
Houston County	Feb. 8-14	4		
Isanti County	Feb. 21-28	1		
Itasca County	Dec. 14-Feb. 28	2		

SMALLPOX IN THE UNITED STATES—Continued.

Reports Received from January 1 to April 15, 1910.

Place.	Date.	Cases.	Deaths.	Remarks.
Minnesota—Continued.				
Kandiyohi County	Dec. 7-13	1		
Koochiching County	Feb. 1-7	1		
Lake County	Jan. 18-Feb. 28	8		
Mower County	Dec. 28-Feb. 28	26		
Nicollet County	Feb. 15-21	1		
Nobles County	Jan. 18-25	1		
Norman County	Jan. 18-25	2		
Olmsted County	Feb. 8-14	1		
Ottertail County	Dec. 21-Feb. 28	24		
Pine County	Feb. 22-28	1		
Polk County	Dec. 7-13	1		
Ramsey County	Jan. 11-Feb. 28	6		
Red Lake County	Dec. 7-Feb. 14	4		
Renville County	Dec. 7-13	1		
Rice County	Jan. 11-17	1		
Rock County	Dec. 7-Feb. 21	22		
Roseau County	Dec. 7-Feb. 28	32		
St. Louis County	Dec. 7-Feb. 28	21		
Sherburne County	Jan. 11-17	1		
Sibley County	Dec. 28-Feb. 28	9		
Stearns County	Feb. 1-21	4		
Swift County	Feb. 8-21	3		
Todd County	Dec. 28-Jan. 31	1		
Wabasha County	Dec. 13-Feb. 21	29		
Wadena County	Feb. 1-21	15		
Wilkin County	Feb. 15-21	1		
Watonwan County	Dec. 28-Jan. 31	1		
Wright County	Dec. 7-Feb. 28	41		
Yellow Medicine County	Feb. 22-28	9		
Total for State		366		
Mississippi:				
Biloxi	Jan. 2-Feb. 3	5		
Gulfport	Jan. 26-Mar. 9	9		
Holly Springs	Jan. 2-29	6		
Marshall County	Jan. 30-Mar. 5	4	1	
Natchez	Dec. 26-Feb. 26	90	2	
Claiborne County—				
Port Gibson	Dec. 19-25	1		
Woodville	Feb. 27-Mar. 19	27	1	
Total for State		142	4	
Missouri:				
Andrew County	Jan. 23-Feb. 26	5		
Joplin	Jan. 16-22	1		
Kansas City	Jan. 2-Feb. 19	16	1	
St. Joseph	Jan. 2-Feb. 5	7		
St. Louis	Dec. 26-Mar. 26	25		
Springfield	Jan. 1-31	4		
Total for State		58	1	
Montana:				
Beaverhead County	Dec. 1-Feb. 28	5		
Broadwater County	Feb. 1-28	2		
Carbon County	Jan. 1-31	1		
Chouteau County	Jan. 1-31	6		
Custer County	Feb. 1-28	1		
Dawson County	Nov. 1-Jan. 31	6		
Deerlodge County	Feb. 1-28	1		
Flathead County	Oct. 1-Nov. 30	6		
Gallatin County	Dec. 1-Feb. 28	3		
Jefferson County	Nov. 1-30	1		
Lewis and Clark County	Oct. 1-Feb. 28	31		
Madison County	Jan. 1-Feb. 28	2		
Meagher County	Feb. 1-28	2		
Missoula County	Oct. 1-Feb. 28	73		
Park County	Nov. 1-Jan. 31	14		
Powell County	Nov. 1-Feb. 28	2		
Ravalli County	Nov. 1-Feb. 28	5		
Sanders County	Jan. 1-Feb. 28	4		
Silverbow County	Oct. 1-Feb. 28	190		
Butte	Dec. 19-31	14		
Yellowstone County	Jan. 1-31	2		
Total for State		371		

SMALLPOX IN THE UNITED STATES—Continued.

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Place.	Date.	Cases.	Deaths.	Remarks.
Nebraska:				
Lincoln	Jan. 1-Feb. 28	5		
South Omaha	Dec. 5-11	3		
Total for State		8		
New Hampshire (entire State)	Jan. 1-Feb. 28	7		
New Jersey:				
Bergen County	Feb. 1-28	1		
Hudson County	Mar. 1-31	1		
Passaic County	Jan. 1-31	1		
Trenton	Jan. 30-Feb. 5	1		
Total for State		4		
New York (entire State)	Sept. 1-Nov. 30	33	1	
Cattaraugus County	Dec. 1-31	1		
Cayuga County	Dec. 1-31	1		
Erie County	Dec. 1-31	17		
Jefferson County	Dec. 1-31	1		
Lewis County	Dec. 1-Jan. 31	2		
Niagara County	Dec. 1-Jan. 31	40		
Oneida County	Dec. 1-Jan. 31	2		
St. Lawrence County	Jan. 1-31	9		
Ulster County	Jan. 1-31	2		
Westchester County	Jan. 1-31	1		
Total for State		109	1	
North Carolina:				
Alamance County	Jan. 1-Feb. 28	86		
Beaufort County	Jan. 1-Feb. 28	11		
Bertie County	Jan. 1-31	6		
Bladen County	Nov 1-Jan. 31	21		
Burke County	Jan. 1-31	20		
Cabarrus County	Jan. 1-Feb. 28	15		
Caldwell County	Jan. 1-Feb. 28	31		
Carteret County	Jan. 1-Feb. 28	3		
Catawba County	Oct. 1-Feb. 28	62		
Chatham County	Jan. 1-31	2		
Chowan County	Oct. 1-Feb. 28	17		
Cleveland County	Oct. 1-Feb. 28	4		
Craven County	Nov. 1-Feb. 28	10		
Currituck County	Oct. 1-Feb. 28	5		
Davidson County	Oct. 1-Feb. 28	50		
Davie County	Jan. 1-Feb. 28	29		
Duplin County	Nov. 1-Feb. 28	24		
Durham County	Jan. 1-31	3		
Edgecombe County	Jan. 1-Feb. 28	24		
Forsyth County	Oct. 1-Feb. 28	101		
Franklin County	Oct. 1-Feb. 28	185		
Gaston County	Nov. 1-Feb. 28	26		
Greene County	Nov. 1-Feb. 28	50		
Guilford County	Nov. 1-Feb. 28	112		
Iredell County	Jan. 1-Feb. 28	5		
Johnston County	Nov. 1-Jan. 31	23		
Jones County	Oct. 1-Nov. 30	12		
Lee County	Feb. 1-28	3		
Lenoir County	Jan. 1-Feb. 28	37		
Lincoln County	Jan. 1-Feb. 28	8		
McDowell County	Nov. 1-Feb. 28	75		
Mecklenburg County	Nov. 1-Feb. 28	102	1	
Nash County	Jan. 1-Feb. 28	125		Nov. 1-30, many cases.
New Hanover County	Feb. 1-28	1		
Onslow County	Jan. 1-Feb. 28	7		
Orange County	Feb. 1-28	2		
Pamlico County	Feb. 1-28	40		Jan. 1-31, present.
Perquimans County	Jan. 1-31	4		
Pitt County	Jan. 1-Feb. 28	70		
Randolph County	Jan. 1-31	2		
Richmond County	Feb. 1-28	1		
Robeson County	Oct. 1-Feb. 28	19		
Rockingham County	Nov. 1-Feb. 28	50		
Rowan County	Nov. 1-Feb. 28	21		
Rutherford County	Nov. 1-Feb. 28	61		
Sampson County	Jan. 1-Feb. 28	3		
Stokes County	Jan. 1-Feb. 28	160		
Surry County	Oct. 1-Feb. 28	16		
Union County	Oct. 1-Feb. 28	66		
Wake County	Nov. 1-Feb. 28	61		

SMALLPOX IN THE UNITED STATES—Continued.

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Place.	Date.	Cases.	Deaths.	Remarks.
North Carolina—Continued.				
Washington County	Feb. 1-28	2		
Wayne County	Nov. 1-Feb. 28	28		
Wilkes County	Jan. 1-Feb. 28	39		
Wilson County	Nov. 1-Feb. 28	224		
Yadkin County	Oct. 1-Feb. 28	11		
Yancey County	Oct. 1-Feb. 28	35		
Total for State		2,210	1	
North Dakota:				
Billings County	Jan. 1-Feb. 28	11		
Bottineau County	Oct. 1-31	1		
Cass County	Dec. 1-31	1		
Grand Forks County	Jan. 1-Feb. 28	2		
McLean County	Dec. 1-Jan. 31	4		
Nelson County	Feb. 1-28	12		
Steele County	Feb. 1-28	6		
Williams County	Feb. 1-28	6		
Walsh County	Jan. 1-31	39		
Total for State		82		
Ohio:				
Allen County	Jan. 1-Mar. 31	37		
Adams County	Jan. 1-31	1		
Auglaize County	Feb. 1-Mar. 31	19		
Belmont County	Jan. 1-Feb. 28	7		
Brown County	Jan. 1-Feb. 28	19		
Clark County	Mar. 1-31	1		
Clermont County	Jan. 1-31	1		
Cuyahoga County— Cleveland	Dec. 19-26	1		
Darke County	Jan. 1-31	3		
Franklin County	Jan. 1-Feb. 28	7		
Hamilton County	Jan. 1-Mar. 31	3		
Jackson County	Jan. 1-Feb. 28	36		
Knox County	Feb. 1-28	1		
Miami County	Jan. 1-Feb. 28	2		
Montgomery County	Jan. 1-Mar. 31	4		
Paulding County	Mar. 1-31	2		
Portage County	Feb. 1-Mar. 31	30		
Richland County	Mar. 1-31	1		
Ross County	Jan. 1-Mar. 31	17		
Scioto County	Feb. 1-Mar. 31	4		
Seneca County	Feb. 1-28	3		
Shelby County	Jan. 1-Feb. 28	7		
Van Wert County	Jan. 1-Mar. 31	37		
Wayne County	Jan. 1-31	1		
Williams County— Stryker	Dec. 19-25	1		
Wyandot County	Feb. 1-28	4		
Total for State		249		
Oklahoma, general	Feb. 1-28	388	28	
Beckham County	Nov. 1-30	1		
Blaine County	Dec. 1-31	7		
Coal County	Aug. 1-Sept. 30	10		
Comanche County	Nov. 1-30	1		
Creek County	Oct. 1-Nov. 30	3		
Garfield County	Nov. 1-30	1		
Grant County	Aug. 1-31	1		
Harmon County	Aug. 1-31	2		
Hughes County	Aug. 1-31	3		
Jackson County	Aug. 1-Nov. 30	19		
Kingfisher County	Oct. 1-31	2		
Le Flore County	Oct. 1-31	1		
Lincoln County	Aug. 1-31	3		
McIntosh County	Sept. 1-30	2		
Marshall County	Oct. 1-31	1		
Muskogee County	Oct. 1-31	1		
Okfuskee County	Oct. 1-31	1		
Oklahoma County	Aug., Sept., and Nov.	14	1	
Osage County	Sept. 1-Oct. 31	9		
Pawnee County	Aug. 1-31	1		
Pottawatomie County	Sept. 1-Nov. 30	41		
Pushmataha County	Sept. 1-30	1		
Seminole County	Oct. 1-Nov. 30	7		
Sequoyah County	Aug. 1-Sept. 30	2		

SMALLPOX IN THE UNITED STATES—Continued.

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Place.	Date.	Cases.	Deaths.	Remarks.
Oklahoma—Continued.				
Tulsa County	Nov. 1-30	3		
Washington County	Nov. 1-30	1		
Woodward County	Nov. 1-30	1		
Total for State		527	29	
Oregon (entire State)	Sept. 1-Feb. 28	118		
Portland	Nov. 1-30	2		
Total for State		120		
Pennsylvania (entire State)	Dec. 1-Feb. 28	57		
South Carolina:				
Clover	Jan. 23-29	3		
Total for State		3		
Tennessee:				
Davidson County—Nashville	Feb. 20-Mar. 19	4		
Dekalb County	Dec. 12-Jan. 26	10		
Hamilton County—Chattanooga	Dec. 26-Apr. 2	65		
Knox County—Knoxville	Jan. 2-Apr. 2	48		
Shelby County	Nov. 1-Jan. 31	28		
Memphis	Nov. 1-Mar. 26	177		
Washington County	Dec. 26-Feb. 5	11		
Total for State		343		
Texas:				
Amarillo	Jan. 16-22	16		
Atascosa County	Jan. 31-Feb. 19	6		
Denton County	Dec. 26-Feb. 27	106	15	
El Paso	Nov. 1-Jan. 22	5	1	
Fort Prairie	Apr. 1			Present.
Fort Worth	Nov. 1-Apr. 2	108	6	
Galveston	Feb. 6-Mar. 19	5	1	
Hale County	Jan. 9-15	7		
Normanna	Jan. 1-31	12	5	
Rockdale	Feb. 13-19	3		
San Antonio	Dec. 5-Apr. 2	34	1	
Taylor	Feb. 27-Mar. 19	2		
Waco	Jan. 1-Feb. 28	3		
Walnut Springs	Jan. 12-18	2		
Wills Point	Jan. 1-Mar. 31	6	2	
Total for State		315	31	
Utah:				
Boxelder County	Dec. 1-Feb. 28	49		
Cache County	Dec. 1-Feb. 28	22		
Carbon County	Dec. 1-Jan. 31	6		
Davis County	Dec. 1-Feb. 28	44		
Juab County	Jan. 1-Feb. 28	20		
Piute County	Dec. 1-31	1		
Rich County	Jan. 1-Feb. 28	2		
Salt Lake County	Dec. 1-Feb. 28	90		
Sanpete County	Dec. 1-Feb. 28	10		
Sevier County	Dec. 1-Feb. 28	8		
Summit County	Jan. 1-31	12		
Tooele County	Dec. 1-31	1		
Uintah County	Dec. 1-Feb. 28	30		
Utah County	Dec. 1-Feb. 28	87		
Wasatch County	Dec. 1-Feb. 28	10	1	
Weber County	Dec. 1-Feb. 28	36		
Total for State		428	1	
Virginia:				
Lynchburg	Jan. 30-Apr. 2	49	1	
Petersburg	Dec. 26-Jan. 26	2		
Portsmouth	Jan. 16-29	2		
Richmond	Dec. 1-31	1		
Total for State		54	1	

SMALLPOX IN THE UNITED STATES—Continued.

Reports Received from January 1 to April 15, 1910.

Place.	Date.	Cases.	Deaths.	Remarks.
Washington:				
Asotin County	Jan. 1-31	1		
Chelan County	Feb. 1-28	1		
Columbia County	Feb. 1-28	4		
Cowlitz County	Feb. 1-28	2		
Franklin County	Jan. 1-31	2		
King County	Jan. 1-31	5		
Seattle	Jan. 2-31	7		
Kitsap County	Jan. 1-Feb. 28	4	1	
Klickitat County	Jan. 1-31	15		
Lewis County	Jan. 1-31	2		
Lincoln County	Jan. 1-31	1		
Okanogan County	Feb. 1-28	2		
Pierce County	Jan. 1-31	1		
Tacoma	Jan. 2-Feb. 28	4		
San Juan County	Jan. 1-31	1		
Skagit County	Jan. 1-Feb. 28	31		
Spokane County	Jan. 1-31	2		
Spokane	Dec. 19-Feb. 28	57		
Stevens County	Jan. 1-31	3		
Wallawalla County	Jan. 1-Feb. 28	29		
Whatcom County—				
Bellingham	Feb. 1-28	3	1	
Wahkiakum County	Dec. 1-31	8		
Whitman County	Jan. 1-Feb. 28	21		
Yakima County	Jan. 1-31	6		
Total for State		212	2	
West Virginia:				
Berkeley Springs	Dec. 27-Feb. 17	6		
Wheeling	Jan. 30-Feb. 5	1		
Total for State		7		
Wisconsin:				
Buffalo County	Feb. 1-28	3		
Chippewa County	Jan. 1-31	3		
Clark County	Jan. 1-Feb. 28	14		
Crawford County	Feb. 1-28	7		
Dane County	Feb. 1-28	1		
Douglas County	Jan. 1-Feb. 28	13		
Superior	Dec. 19-Jan. 1	6		
Grant County	Feb. 1-28	1		
Jefferson County	Jan. 1-Feb. 28	19		
Juneau County	Jan. 1-31	1		
La Crosse County	Jan. 1-Feb. 28	14		
La Crosse	Dec. 19-Jan. 1	2		
Langlade County	Jan. 1-Feb. 28	3		
Milwaukee County	Jan. 1-Feb. 28	19		
Milwaukee	Dec. 19-Jan. 1	2		
Price County	Feb. 1-28	1		
Walworth County	Feb. 1-28	1		
Winnebago County	Jan. 1-31	2		
Total for State		112		
Grand total for the United States		10,741	80	

MORBIDITY AND MORTALITY.

WEEKLY MORBIDITY AND MORTALITY TABLE, CITIES OF THE UNITED STATES.

[For smallpox see special tables.]

Cities.	Week ended—	Estimated population. 1909.	Total deaths from all causes.	Tuberculosis.		Typhoid fever.		Scarlet fever.		Diphtheria.		Measles.		Whooping cough.	
				Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.
Altoona, Pa	Apr. 9	50,814	15	1		1				2	1	5			
Ann Arbor, Mich	Apr. 2	14,711	7												
Ashtabula, Ohio	Apr. 9	16,648	6												
Baltimore, Md	do	576,023	194	60	37	8		36	1	13		46		12	2
Bath, Me	do	12,055								1	1				
Bayonne, N. J	do	49,894		1				5		2		3			
Beaver Falls, Pa	do	10,341	0							1		1			
Biddeford, Me	do	17,676	27	2	2										
Binghamton, N. Y	do	45,855	13	1	2	1		1		1		9			
Boston, Mass	do	622,970	275	65	24	5		33	2	42	4	134	1	5	1
Braddock, Pa	do	21,000	6	2				2		3					
Bridgeport, Conn	do	90,913	30	3		2		12		3		2		1	
Brockton, Mass	do	53,978	21	7	1	1		2							
Butler, Pa	Apr. 2	12,760	5	1	2			1				11			
Butte, Mont	do	49,892	11		3			8		3					
Do	Apr. 9		12		2			4		2					
Cambridge, Ohio	do	11,733	0									18			
Camden, N. J	do	89,305	26	1	3			2		5	4				1
Cambridge, Mass	do	101,872	42	9	3	1		5		10		6			
Carbondale, Pa	do	15,698	9					2	1			2			
Charlotte, N. C	do	35,101	5	1	1							2			
Chelsea, Mass	do	39,862	16	3				1		1	1	1			
Chicago, Ill	do	2,224,491	662	115	95	15	8	134	11	122	10	456	4	82	7
Chicopee, Mass	do	20,010	9		1							1			
Clinton, Mass	do	12,656	3			1									
Cincinnati, Ohio	do	351,212	121	34	19	1		7		6		204	3	16	1
Columbus, Ga	do	17,893	5												
Concord, N. H	Apr. 2	21,997	12									7			
Covington, Ky	Apr. 9	51,715	19		1	1				1		7			
Danville, Ill	do	27,387	3	2	2			1				52			
Dayton, Ohio	do	108,688	37	4	4			4				2			
Duluth, Minn	do	74,520	16	3	2			21	1	1		12			
Dunkirk, N. Y	do	18,061	5	4						1	1	20		1	
Elizabeth, N. J	do	67,470	20		8			18		4		12			1
Elmira, N. Y	do	35,765	9	15	1	1		2		3		2			
Erie, Pa	Apr. 2	63,652	21	2	3	14	1	6				5			
Do	Apr. 9		19	5	1	11	2	1		1		15		1	
Evansville, Ind	do	66,948	21	1		5	1	1				12			
Everett, Mass	do	32,931	9	5		1		4		2		1			
Freeport, Ill	do	19,200	4												
Galesburg, Ill	do	21,615	8												
Gloucester, Mass	do	25,923	8		2										
Grand Rapids, Mich	do	105,909	34	3	3	3	2					13		2	
Harrison, N. J	do	14,604	3					1							
Haverhill, Mass	do	38,354	18	6	2			4		4		18		4	1
Hyde Park, Mass	do	15,522	6												
Indianapolis, Ind	Apr. 2	241,826	99	5	6	4	1	23	1	3		318	2	51	1
Do	Apr. 9		80	6	7	3		13	2	5	1	381		12	
Jacksonville, Fla	do	40,798	20											1	
Jersey City, N. J	Apr. 10	253,711	93	9				1		1					
Kalamazoo, Mich	Mar. 26	36,504	21	2	1	1	1	14		1					
Do	Apr. 2		16	10	4	2		11				1			
Do	Apr. 9		17	1			1	4				3			
Kansas City, Kans	do	85,742	34	1	3	2	3	10	1	6		39			
Kearney, N. J	do	15,765	5									2			
Kingston, N. Y	do	26,110	8												1
Knoxville, Tenn	do	37,758	14		3							3			
La Crosse, Wis	do	29,224	3							1		2			
La Fayette, Ind	do	19,801	6		1							20			
Lancaster, Pa	do	49,962	8	4		4		5		1		22			
Lawrence, Mass	do	76,042	26	2	1	2	1	7		3		45			
Lebanon, Pa	do	20,295	7					1							
Lexington, Ky	do	30,690	13	1	3							17			
Los Angeles, Cal	Apr. 2	a 103,000	95	29	19	3	1	12		4	1	312		2	
Lowell, Mass	Apr. 9	95,125	32	1	2	2		3		3		47			
Lynn, Mass	do	83,865	23	3	3	1		6		1		11			
Lynchburg, Va	do	29,457		5								8			
Malden, Mass	do	41,535	11	2	1			7	1	2		1			

a Population 1900. No estimate 1909.

MORBIDITY AND MORTALITY—Continued.

Weekly morbidity and mortality table, cities of the United States—Continued.

Cities.	Week ended—	Estimated population, 1909.	Total deaths from all causes.	Tuberculosis.		Typhoid fever.		Scarlet fever.		Diphtheria.		Measles.		Whooping cough.	
				Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.
Manchester, N. H.	Apr. 9	68,561	26	1	1					3					
Manistee, Mich.	do	10,788										11		4	
Manitowoc, Wis.	do	13,490	2	1	1			1							
Mansfield, Ohio	do	21,390										13			
Marinette, Wis.	do	14,682	2					2							
Marlboro, Mass.	do	14,444	1					1		1		59			
Massillon, Ohio	do	13,610	4					1				13	1		
Medford, Mass.	do	20,839	3		2							22			
Memphis, Tenn.	Apr. 2	136,363	49	3	6			7		1					
Melrose, Mass.	do	15,361	6	1	2			1							
Milwaukee, Wis.	Apr. 9	332,459	101	29	11	48	2	46	2	11		91	2	16	1
Moline, Ill.	do	23,081	5					2	1	1		1			
Mobile, Ala.	Apr. 2	45,122	12												
Montclair, N. J.	Apr. 9	18,296	8	2	1			1				17		1	
Montgomery, Ala.	do	43,927	15	1	3										
Monticello, Ind.	do		2									5			
Morristown, N. J.	Apr. 2	12,849	4	1								4			
Do.	Apr. 9		5			1		2		3		3			
Mount Vernon, N. Y.	do	27,891	8					4	1	4		1			
Muskegon, Mich.	do	20,995		4				1		1					
Nanticoke, Pa.	Apr. 10		4							1					
Nashville, Tenn.	Apr. 9	106,476		5	6	1	1	1				3			
Nebraska City, Nebr.	do		1			1						8			
Newark, N. J.	do	306,669	132	19	22	2		56		34	1		3		1
New Bedford, Mass.	do	83,898	43	4	1	2		1	1	3	1	29			
Newburyport, Mass.	do	14,832	3		1							76			
New Orleans, La.	do	327,662	132	50	22	3		34	2	13		151	3		
Newport, Ky.	do	31,345	12		1		1								
New York, N. Y.	do	4,450,963	1,737	738	193	36	6	816	40	498	46	1,534	36	45	5
Niagara Falls, N. Y.	do	32,012	9	1		3		3		1		20			
Norristown, Pa.	do	24,491	2	3		1				1		1			
North Adams, Mass.	do	20,510	8		1			1		1					
Northampton, Mass.	do	21,008	12									1			
North Weymouth, Mass.	Apr. 2	11,793	0												
Do.	Apr. 9		0	1											
Oakland, Cal.	Apr. 2	[a] 73,812	46	1	9			2		2	1	9			
Orange, N. J.	Apr. 9	27,669	9	4	3	1		3		1		9			
Palmer, Mass.	do		6	1	1			1		1					
Philadelphia, Pa.	do	1,491,082		112	63	18	5	43	4	78	9	83	3	33	6
Pittsburg, Pa.	Apr. 2	558,123	269	27	21	14	7	16		6		161	5	31	1
Plainfield, N. J.	Apr. 9	20,947	6	1	1			2		1		1			
Plymouth, Pa.	do	17,524		1				1		1		5			
Pontiac, Mich.	Mar. 26	12,819	7	16			2	4		4		2			
Do.	Apr. 2		11	16				3		3		3			
Portsmouth, N. H.	Apr. 9	11,336	0												
Pottstown, Pa.	do	14,065	3			4		1		3		45	1		
Providence, R. I.	do	217,065	61	6	5	3		13		15	1	15			
Racine, Wis.	do	34,840	7		1			1							
Reading, Pa.	Apr. 11	97,231	42		1	3		1		1		63		8	
Rock Island, Ill.	Apr. 9	24,766	3		1	2				1					
San Francisco, Cal.	Apr. 2	[b] 342,782	138	36	19	6		5		14	1	47	1	12	
St. Louis, Mo.	Apr. 9	686,369	202	68	35	4		87	4	32	1	55		26	
Seattle, Wash.	Apr. 2	[b] 104,169	50	1	9	3		10		2		13		12	
Schenectady, N. Y.	do	73,037	23	8				4		2	1	19			
Do.	Apr. 9		19	2	1			4		3		12	1		
Somerville, Mass.	do	75,375	17	8		3		2		1		8			
South Bend, Ind.	Mar. 31	49,321	104	1	9	1		49	2	8		4		3	
South Bethlehem, Pa.	do	15,886	5	1		1		1		2	1	12			
Spokane, Wash.	Apr. 2	[b] 47,006	20		2			5		7		24			
Springfield, Mass.	Apr. 9	82,724	38	1	1	2		2		2		26		4	
Springfield, Ohio	do	43,975	11	3								7			3
Steelton, Pa.	do	14,769	3	4		1		4						2	
Superior, Wis.	do	40,919	13					7	1	5	1				
Taunton, Mass.	do	30,926	17	2				1		1		10			
Terre Haute, Ind.	do	55,509	16		2	1	2	5		1		158	2	1	
Titusville, Pa.	do	8,397	1					1				1			
Trenton, N. J.	do	92,878	7	6	5	6		14	1	5	1				
Utica, N. Y.	do	69,458	29	2	4					1		19	3	3	
Waltham, Mass.	do	28,522	14	3				3		1					

[a] Estimate of population, 1900. No estimate 1909.
[b] Estimated population, 1906. No estimate, 1909.

MORBIDITY AND MORTALITY—Continued.

Weekly morbidity and mortality table, cities of the United States—Continued.

Cities.	Week ended—	Estimated population, 1909.	Total deaths from all causes.	Tuberculosis.		Typhoid fever.		Scarlet fever.		Diphtheria.		Measles.		Whooping cough.	
				Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.
Warren, Pa	Apr. 4	11,838	4	2	1	....	....	2	....	1	....	19	....	5	....
Washington, D. C	Apr. 9	322,212	124	42	16	6	1	19	....	5	1	10	....	18	....
West Newton, Mass	do	39,419	10	2	....	....	....	3	....	....	....	6	....	....	....
Wheeling, W. Va	Apr. 2	42,799	15	2	....	....	....	2	....	1	....	1	....	....	....
Do	Apr. 9	.....	14	4	2	1	....	3	....	2	....	....	....	....	....
Wichita, Kans	do	39,612	20	....	2	....	....	....	....	1	....	26	1	....	....
Wilkinsburg, Pa	do	19,999	6	1	....	1	1	1	....	....	....	3	....	2	....
Williamsport, Pa	do	30,220	11	3	....	2	....	5	....	2	....	45	2	....	....
Wilmington, Del	do	88,980	25	....	3	....	2	....	....	....	1	....	....	....	....
Woburn, Mass	Apr. 7	14,520	5	....	....	....	....	....	....	2	....	2	....	....	....
Worcester, Mass	Apr. 2	135,906	52	1	3	....	....	7	....	8	1	25	2	3	1
York, Pa	Apr. 9	41,895	....	....	....	....	....	1	....	3	1	1	....	1	....
Zanesville, Ohio	do	25,614	12	....	2	10	2	....	....	2	....	....	....	....	....

STATISTICAL REPORTS OF MORBIDITY AND MORTALITY, STATES AND CITIES OF THE UNITED STATES (untabulated).

CALIFORNIA—*San Francisco and county.*—Month of February, 1910. Population, 475,000. Total number of deaths from all causes 502, including typhoid fever 2, measles 2, diphtheria 3, tuberculosis 63. Cases reported: Smallpox 10, typhoid fever 17, measles 96, scarlet fever 60, diphtheria 79, tuberculosis 124.

FLORIDA.—Week ended April 9, 1910. Reports from the state board of health show typhoid fever present at 3 localities with 3 cases, smallpox in 3 counties with 24 cases, tuberculosis at 9 localities with 9 cases.

Tampa.—Month of March, 1910. Population, 15,839. Total number of deaths from all causes 31, including typhoid fever 2, tuberculosis 5. Cases reported: Typhoid fever 1, measles 4, diphtheria 2, tuberculosis 2.

ILLINOIS—*Alton.*—Month of March, 1910. Population, 22,000. Total number of deaths from all causes 19, including tuberculosis 1. Cases reported: Scarlet fever, 4, diphtheria 1.

INDIANA—*Muncie.*—Month of March, 1910. Population, 31,692. Total number of deaths from all causes 32, including measles 1, diphtheria 1, tuberculosis 4. Cases reported: Measles 247, scarlet fever 4, diphtheria 4.

KENTUCKY—*Henderson.*—Month of March, 1910. Population, 17,800. Total number of deaths from all causes 15, including tuberculosis 3. Cases reported: Typhoid fever 1, measles 11, scarlet fever 3, tuberculosis 1.

LOUISIANA—*Shreveport.*—Month of March, 1910. Population, 30,000. Total number of deaths from all causes, 62 (resident 35, non-

resident 27), including typhoid fever 1, tuberculosis 11 (residents 4, nonresidents 7).

MARYLAND.—Month of January, 1910. Population, 1,319,132. Total number of deaths from all causes, 978, including typhoid fever 24, measles 5, scarlet fever 3, diphtheria 6, tuberculosis 115. Cases reported: Typhoid fever 52, measles 438, scarlet fever 62, diphtheria 53. The typhoid fever cases were distributed as follows: Potomac River watershed 13 cases, Patapsco River watershed 2 cases, Patuxent River watershed 2 cases, Herring Run watershed, Baltimore County, 1 case.

MINNESOTA—*St. Paul.*—Month of January, 1910. Population, 235,000. Total number of deaths from all causes, 229, including typhoid fever 1, measles 1, scarlet fever 6, diphtheria 10, tuberculosis 22. Cases reported: Smallpox 3, measles 145, scarlet fever 138, diphtheria 104.

SOUTH CAROLINA—*Charleston.*—Month of March, 1910. Population, 57,593. Total number of deaths from all causes, 115, including measles 1, diphtheria 1, tuberculosis 12. Cases reported: Smallpox 1, scarlet fever 2, diphtheria 4.

TEXAS—*Waco.*—Month of March, 1910. Population, 30,000. Total number of deaths from all causes, 50, including typhoid fever 1, tuberculosis 2. Cases reported: Typhoid fever 1, scarlet fever 6, diphtheria 3.

VIRGINIA—*Charlottesville.*—Month of March, 1910. Population, 45,455. Total number of deaths from all causes, 7, including scarlet fever 1. Cases reported: Scarlet fever 4, diphtheria 1, tuberculosis 4.

Richmond.—Month of January, 1910. Population, 112,467 (white 71,158, colored 41,309). Total number of deaths from all causes, 270 (white 147, colored 123), including diphtheria 4, tuberculosis 42 (white 22, colored 20). Cases reported: Typhoid fever 20, smallpox 2, measles 3, scarlet fever 5, diphtheria 22.

Month of February, 1910. Total number of deaths, 221 (white 118, colored 103), including typhoid fever 1, diphtheria 2, tuberculosis 27 (white 15, colored 12). Cases reported: Typhoid fever 7, smallpox 4, measles 14, scarlet fever 5, diphtheria 15.

FOREIGN AND INSULAR.

BAHAMAS.

NASSAU—Case of Smallpox from Steamship Vigilancia.

Vice-Consul Menendez reports, April 5, that a case of smallpox and 2 contacts were landed from the steamship *Vigilancia*, from Tampico, which left Nassau for New York March 29. The case and contacts were isolated at the quarantine station.

CHINA.

AMOY—Smallpox and Typhus Fever.

Acting Assistant Surgeon Moorhead reports, March 2 and 9:

Week ended February 26. One death from smallpox and 1 from typhus fever were reported in the international settlement of Kulangsu. Week ended March 5. Four deaths from smallpox were reported in Kulangsu. The 10 deaths reported in Kulangsu during the months of January and February all occurred among children. The Chinese population of the settlement is estimated at 9,000. Smallpox is reported epidemic in the district of Chang Chiu.

Plague in Amoy.

The following information was received from the Department of State April 15:

The American consul at Amoy reports plague.

HONGKONG—Smallpox—Inspection and Disinfection of Vessels.

Passed Assistant Surgeon Foster reports, March 9:

Week ended March 5. Restrictions enforced by and against Hongkong remain as reported February 26.

One case of smallpox was reported during the week.

INSPECTION AND DISINFECTION OF VESSELS.

Week ended March 5.

Vessels granted bills of health	10
Total members of crews	876
Total cabin passengers	243
Total steerage passengers	207
Members of crews bathed	698
Steerage passengers bathed	210
Pieces of baggage disinfected	900
Vessels disinfected to kill rats	1
Crews' quarters disinfected:	
With formaldehyde	1
With sulphur	8

CUBA.

CIENFUEGOS—Inspection of Vessels.

Acting Assistant Surgeon Suarez reports, April 5:

Week ended April 2. Vessels inspected, 10; bills of health issued, 10; members of crews of outgoing vessels inspected, 248.

No quarantinable disease reported.

HABANA—Inspection of Vessels.

Passed Assistant Surgeon de Valin reports, April 12:

Week ended April 9. Bills of health issued, 28; vessels inspected, 24; members of crews of outgoing vessels inspected, 2,099; passengers of outgoing vessels inspected, 1,149.

The department of sanitation reports 20,191 houses inspected and 8,759 water deposits petrolized or suppressed during the 10 days ended March 31.

No quarantinable disease was reported.

MATANZAS—Inspection of Vessels.

Acting Assistant Surgeon Nuñez reports, April 5 and 11:

Week ended April 2. Bills of health granted to 8 vessels bound for the United States. Week ended April 9. Bills of health granted to 6 vessels bound for the United States. No quarantinable disease was reported.

The department of sanitation reported for the 10 days ended March 31 the inspection of 4,170 houses.

SANTIAGO—Inspection of Vessels.

Acting Assistant Surgeon Wilson reports, April 5 and 7:

Week ended March 26. Bills of health issued to 5 vessels bound for the United States and its dependencies.

The department of sanitation reports 3,035 houses inspected during the week.

Week ended April 2. Bills of health issued to 8 vessels leaving for ports in the United States. The department of sanitation reports the inspection of 2,979 houses.

ECUADOR.

GUAYAQUIL—Plague and Yellow Fever.

Passed Assistant Surgeon Parker reports, March 20 and 27:

Two weeks ended March 15.

[Report received from the director of health.]

Disease.	Locality.	Previously reported.	New cases.	Cured.	Died.	Remaining.
Plague	Guayaquil	18	12	14	3	13
	Milagro	6	2	3	2	3
Yellow fever	Guayaquil	7	20	15	9	3
	Babahoyo		1		1	

This report shows a further decrease of 3 in the number of plague cases and a decrease of 8 in the number of yellow fever cases as compared with the previous semimonthly report.

During the period covered by this report there were 162 deaths from all causes in the city of Guayaquil, an increase of 21 as compared with the previous semimonthly report and a decrease of 25 as compared with the same period of the past year.

Summary of sanitary work, March 1 to 15.—Houses fumigated, 18; houses disinfected, 228; premises cleaned, 70; lining of walls destroyed, 18; vessels fumigated, 118; pieces of baggage fumigated, 281; pieces of clothing disinfected, 2,098; rats trapped, 1,561.

Inspection and fumigation of vessels.—Week ended March 19. Bills of health issued, 3; vessels fumigated, 3; members of crews inspected, 223; cabin passengers inspected, 49; steerage passengers inspected, 35; pieces of baggage fumigated, 75; pieces of baggage inspected and passed, 55; certificates for hides issued, 2; certificates for cotton issued, 1.

During the week ended March 26 there were no transactions.

HAWAII.

HONOLULU—Plague-prevention Work.

The last case of human plague occurred at Honolulu, July 17, 1907. The last plague-infected rat was found at Aiea, 9 miles from Honolulu, April 13, 1910.

Passed Assistant Surgeon Ramus reports:

Week ended March 26, 1910.

Total rats taken	569
Trapped	479
Found dead (mus rattus)	1
Killed by sulphur dioxide	89
Examined bacteriologically	440
Plague rats	0
Classification of rats trapped:	
Mus alexandrinus	82
Mus musculus	185
Mus norvegicus	37
Mus rattus	175
Classification of rats killed by sulphur dioxide:	
Mus alexandrinus	24
Mus norvegicus	1
Mus rattus	64
Average number of traps set daily	1,338

April 13. A plague-infected rat was found at Aiea, 9 miles from Honolulu.

Status of Plague on Island of Hawaii.

March 27. The total number of plague deaths at Hilo, Hawaii, since March 12, is 4, and at Honokaa, a subport about 60 miles from Hilo, 2. All the Hilo cases have occurred among Japanese. The 2 deaths at Honokaa were of children of a white family, girls aged, respectively, 5 and 13 years. The infection in their cases was axillary. The father of the children owns a large store the supplies for which all come by boat from Hilo. A plague-infected rat was found at

Honokaa March 16. Two infected rats were found at Hilo March 23. Infected and suspicious districts are strictly quarantined. Measures are being enforced to prevent the spread of plague by means of inter-island traffic.

A report of March 28 states that the last case of human plague at Hilo occurred March 23, 1910, and that the last plague-infected rat was found March 26, 1910.

Diphtheria Among Immigrants.

On February 23 Doctor Ramus reported that he had received at the quarantine station 315 Russian immigrants from the steamship *Mongolia* on account of a case of diphtheria that developed among them two days after arrival, and on February 25 he reported the arrival of the steamship *Tenyo Maru* from Japanese ports with 1 case of diphtheria among the 70 Russians landed, and that at the request of the governor of Hawaii he had removed the 69 contacts to the quarantine station. On March 7 the steamship *Korea* arrived from the Orient with 54 cases of diphtheria among the Russian immigrants. The immigrants, 249 in number, were quartered at the quarantine station where 89 cases of diphtheria had developed among the two groups of immigrants previously received. The situation was considered so grave that the governor ordered a company of the national guard for duty at the quarantine station to assist in handling the 600 immigrants held in detention. On March 6 a case of diphtheria occurred on the revenue cutter *Thetis* and the patient was removed to the station. On March 26 the steamship *Siberia*, from the Orient, brought a case of diphtheria which had developed among immigrants. The total number of immigrants in detention at the quarantine station March 27 was 800. Disinfection of bedding and effects has been carried out.

Acting Assistant Surgeon Smith at Kobe, Japan, had reported, February 16 and 23, an outbreak of diphtheria, with 5 cases and 1 death, among Russian emigrants, at Ono detention station at Kobe. The cases had been removed to the isolation hospital.

Smallpox on U. S. S. Albatross.

Doctor Ramus reports, April 15, a case of smallpox on U. S. S. *Albatross* from Yokohama.

INDIA.

CALCUTTA—Cholera, Plague, and Smallpox.

Acting Assistant Surgeon Allan reports, March 17:

Week ended March 5. At Calcutta there were 49 deaths from cholera, 29 from plague, and 2 from smallpox; in all Bengal, 3,110 cases of plague, with 2,544 deaths; in all India, 24,834 cases of plague, with 21,514 deaths.

Week ended March 12. Bill of health issued to steamship *Rabenfels*, for Boston and New York, with a total crew of 30. The usual precautions were taken, holds fumigated, rat guards placed on wharf lines, and effects of Asiatics disinfected.

ITALY.

NAPLES—Examination of Emigrants—Smallpox.

Surgeon Geddings reports, March 28:

Vessels inspected at Naples and Palermo, week ended March 26.

NAPLES.

Date.	Name of ship.	Destination.	Steerage passengers inspected and passed.	Pieces of baggage inspected and passed.	Pieces of baggage disinfected.
Mar. 21	Virginia	New York	1,190	50	1,280
21	Principe di Piemonte	do	998	65	1,100
23	Manuel Calvo	do	466	25	870
23	Calabria	do	358	32	650
23	Pannonia	do			
24	America	do	1,349	90	1,920
25	Prinzess Irene	do	855	42	980
	Total		5,216	304	6,800

PALERMO.

Mar. 24	Calabria	New York	548	850	350
26	Prinzess Irene	do	397	600	180
	Total		945	1,450	530

Rejections recommended.

NAPLES.

Date.	Name of ship.	Trachoma.	Favus.	Suspected trachoma.	Other causes.	Total.
Mar. 21	Virginia	24	3	12	5	44
21	Principe di Piemonte	36	3	17	4	60
23	Manuel Calvo	10	1	3	1	15
23	Calabria	7	2	4	3	16
24	America	40	9	19	4	72
25	Prinzess Irene	14	5	9	5	33
	Total	131	23	64	22	240

PALERMO.

Mar. 24	Calabria	27		31	4	62
26	Prinzess Irene	18		15	3	36
	Total	45		46	7	98

Smallpox in Naples.—During the week ended March 27, 1910, 14 cases of smallpox with 2 deaths were reported at the health office of the city of Naples.

JAPAN.

YOKOHAMA—Inspection of Vessels.

Surgeon Irwin reports, March 21:

Bills of health were issued to the following-named vessels: Steamships *Kiyo Maru* for Honolulu, *Tamba Maru* for Seattle, *Siberia* for San Francisco, *Prinz Sigismund* for Manila, *Dakotah* for Manila,

Verona for New York, and *Selja* for Portland, Oreg. These vessels carried an aggregate of 161 cabin passengers, 705 steerage passengers, and 585 in crews.

KOBE—Inspection of Vessels—Plague.

Acting Assistant Surgeon Smith reports, March 16:

Week ended March 12. Supplemental bills of health issued to 6 steamships and 1 original bill to 1 steamship. Members of crews inspected, 1,065, and of steerage passengers, 177. Members of crews bathed 81, and of steerage passengers 73; effects disinfected. Pieces of baggage steamed 418, and of bedding 146. Manifests viséed for 22,748 pieces of freight, amounting to 2,492 tons. Emigrants inspected: Per steamship *Nippon Maru* for Honolulu 24, including 4 Koreans, and for San Francisco 1; per steamship *Tamba Maru* for Seattle 38. The emigrants passed, with 8 intending passengers for Victoria by the *Tamba Maru* and 2 by the *Kiyo Maru* for Mexico were bathed and their effects were disinfected. All the emigrants were 7 days in detention at Ono quarantine station.

The official returns of infectious disease show for the week 1 case of plague with 1 death.

MEXICO.

Report from the Superior Board of Health of Mexico.

In compliance with articles 1 and 2 of the International Sanitary Convention held at Washington, October 9–14, 1905, the president of the Superior Board of Health of Mexico reports, April 11, that no case of yellow fever and no death from the said disease were registered in the Mexican Republic during the week ended April 9, and that the prophylactic measures reported under date of September 28, 1908, continue to be carried out.

COATZACOALCOS—Inspection and Fumigation of Vessels.

Acting Assistant Surgeon Thompson reports, April 7:

Week ended April 2. Vessels inspected: April 1, steamships *Traveller* for a port in the United States via Veracruz and Tampico, and *Honduras* for New Orleans; April 2, steamship *Oregonian* for Delaware Breakwater Quarantine. The *Honduras* was fumigated.

No quarantinable disease reported.

PERU.

CALLAO—Inspection of Vessels—Plague in Peru.

Acting Assistant Surgeon Castro-Gutierrez reports, March 30:

Week ended March 19. One vessel, with 94 in crew and 30 cabin and 18 steerage passengers, was fumigated. Week ended March 26. Six vessels having an aggregate of 645 in crews and 106 cabin and 141 steerage passengers inspected. Five of these vessels were fumigated.

Bills of health show plague present at Mollendo with 8 cases and 3 deaths during the past 2 weeks. Plague is reported present in the Province of Pacasmayo. At Antofagasta, Chile, plague was reported present with 4 cases in the lazaretto. Smallpox was also reported present. At Iquique, Chile, plague was reported March 20.

PHILIPPINE ISLANDS.

Prophylactic Plague Measures.

Passed Assistant Surgeon Victor G. Heiser, chief quarantine officer, reports, March 4:

In view of the increased frequency with which vessels now come alongside of the new docks which have recently been completed at Iloilo, Cebu, and Manila, and, more especially, since many of such vessels come direct from Chinese and Japanese ports that are plague infected, it has been deemed advisable to take further precautions in order to prevent the introduction of plague into the Philippine Islands. With this end in view the following circular letter was issued February 21, 1910:

[Circular.]

UNITED STATES TREASURY DEPARTMENT,
PUBLIC HEALTH AND MARINE-HOSPITAL SERVICE,
OFFICE CHIEF QUARANTINE OFFICER FOR PHILIPPINE ISLANDS,
Manila, P. I., February 21, 1910.

To the owners, agents, and masters of vessels, and others concerned:

SIRS: In order to minimize the danger from the spread of plague by vessels in the event that this disease should again make its appearance in the Philippine Islands, all vessels in the interisland service, and all local craft, including cascoes, launches, lighters, etc., and vessels in the foreign trade which call at the ports of entry in the Philippines, must be fumigated at least twice annually in order to destroy the rats and vermin that may be aboard.

It is the intention to carry out this fumigation at such times as will cause the least inconvenience to the vessels; and in view of the fact that rats and vermin are a source of considerable annoyance and expense to the owners of vessels, as well as being most undesirable, it is hoped that your full cooperation in carrying out this fumigation will be accorded. No charge will be made for the work. A certificate stating that the vessel has been fumigated will be issued to all masters of vessels who may desire it.

Masters of vessels would confer a great favor upon this bureau if they would send to the quarantine office a brief statement, each time a vessel is fumigated, which would give the number of rats and mice that were killed by the fumigation.

All vessels should be empty when fumigated, and it is respectfully requested that, when unloading is completed and before new cargo is taken on board, the quarantine office be notified before noon on the day on which it is desired to have the fumigation done in order that the work may be carried out as expeditiously as possible.

Respectfully,

VICTOR G. HEISER,
Passed Assistant Surgeon,
Chief Quarantine Officer for the Philippine Islands.

In addition to the foregoing, and at the request of this office, the customs harbor regulations at Iloilo, Cebu, and Manila have been so amended that all vessels that come to a wharf will be required to use the special kind of rat guard which is in use at San Francisco. Vessels are also required to keep at least several feet away from the wharf, so that the danger of rats coming ashore will be still further minimized.

Arrangements have also been made with the Bureau of Agriculture to breed a good type of rat-catching cat, which can be kept on the wharves.

Local Regulations.

In view of the improved cholera conditions in the city of Manila, vessels proceeding to Iloilo are now allowed to leave Manila without a bill of health or inspection.

Quarantinable Disease in Manila.

Week ended February 26. In the city of Manila 5 cases of smallpox were reported.

Cholera in the provinces.

Provinces.	Cases.	Deaths.
Bataan	1	1
Bohol	3	2
Pampanga	19	20
Total	23	23

Inspection of Vessels.

February 21, the British steamship *Titan*, with 88 in crew, en route from London to Seattle and Tacoma, granted a supplemental bill of health. Cargo taken on at this port inspected and passed before loading. Crew inspected and passed at hour of sailing. February 22, the American steamship *Siberia*, with 280 in crew and 92 cabin and 248 steerage passengers, granted a bill of health for San Francisco, via Hongkong and other ports. Cargo loaded here inspected and passed and manifests for same viséed.

RUSSIA.

Leprosy and Typhus Fever—Examination of Emigrants.

Acting Assistant Surgeon De Forest at Libau reports, April 4:

Week ended April 1. At St. Petersburg 1 case of leprosy was reported; at Riga, 52 cases of typhus fever with 12 deaths.

Examination of water supply at St. Petersburg showed cholera bacilli in specimens taken March 25. Specimens taken April 1 were negative.

The steamship *Russia* sailed from Libau for New York March 29, with 1,189 passengers and a crew of 137, all of whom had been in Libau for the full 5 days; pieces of baggage disinfected, 198. The case of smallpox previously reported as found among passengers examined for the *Russia* was held until recovery.

VENEZUELA.

LA GUAIRA—Inspection of Vessels—Yellow Fever.

Acting Assistant Surgeon Kellogg reports, April 3:

Week ended April 2. Vessels inspected: March 26, steamship *Thorsa*, for New York, with 17 in crew and no passengers; March 30, schooner *San Fernando*, for San Juan, crew 5, no passengers, and steamship *Barbadian*, for Galveston, crew 44, passenger 1; April 1, steamship *Prins Mauritz*, crew 56, passengers in transit 5, taken on at this port 4.

One case of yellow fever, previously reported, occurred during the week.

ZANZIBAR.

ZANZIBAR—Examination of Rats for Plague Infection.

Consul Garrels reports:

Month of February, 1910. Rats received, 3,579; examined, 3,529. No plague infection found.

CHOLERA, YELLOW FEVER, PLAGUE, AND SMALLPOX.

Reports Received During Week Ended April 22, 1910.

These tables include cases and deaths recorded in reports received by the Surgeon-General, Public Health and Marine-Hospital Service, from American consuls through the Department of State and from other sources.]

CHOLERA.

Place.	Date.	Cases.	Deaths.	Remarks.
India:				
Calcutta	Feb. 28-Mar. 5		49	
Rangoon	Feb. 28-Mar. 5		1	
Java:				
Batavia	Feb. 28-Mar. 5	1	1	
Samarang	Feb. 28-Mar. 5	30	20	
Philippine Islands:				
Provinces—				
Bataan	Feb. 20-26	1	1	
Bohol	Feb. 20-26	3	2	
Pampanga	Feb. 20-26	19	20	

YELLOW FEVER.

Brazil:				
Manaos	Mar. 13-26		6	
Para	Mar. 20-Apr. 2	18	15	
Venezuela:				
La Guaira	Apr. 1	1		

PLAGUE.

Chile:				
Antofagasta	Mar. 19	4		In the lazaretto.
Iquique	Mar. 20			Epidemic.
China:				
Amoy	Apr. 15			Present.
India:				
Bombay	Mar. 9-15		26	
Kurrachee	Mar. 6-12	74	73	
Rangoon	Feb. 28-Mar. 5		9	
Japan:				
Kobe	Mar. 6-12	1	1	
Peru:				
Mollendo	Mar. 17	8	3	
Turkey in Asia:				
Jiddah	Mar. 25-27	10	10	

SMALLPOX.

Austria:				
Bohemia	Mar. 13-19	1		
Galicia	Mar. 13-19	2		
Canada:				
Nova Scotia—				
Halifax	Apr. 3-9	4		
Ceylon:				
Colombo	Feb. 20-Mar. 5	2		
Chile:				
Antofagasta	Mar. 19			Present.
China:				
Amoy	Feb. 28-Mar. 5		4	
Hongkong	Feb. 20-26	4	2	
Shanghai	Mar. 7-13	2	7	Deaths among natives.
Egypt:				
Cairo	Mar. 12-25	10		
Port Said	Mar. 19-25	1		
France:				
Paris	Mar. 20-26	7	1	
Germany, general	Mar. 20-26	18		
Bremen	Mar. 28-Apr. 2	1		
Great Britain:				
Bristol	Mar. 20-26	1		On a steamship from Bombay.
Sheffield	Mar. 27-Apr. 2	1		
Hawaii:				
Honolulu	Apr. 15	1		On U. S. S. Albatross from Yokohama.

CHOLERA, YELLOW FEVER, PLAGUE, AND SMALLPOX—Continued.

Reports Received During Week Ended April 22, 1910.

SMALLPOX—Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
India:				
Bombay	Mar. 9-15		63	
Calcutta	Feb. 28-Mar. 5		2	
Madras	Mar. 5-11		3	
Rangoon	Feb. 28-Mar. 5		36	
Italy, general	Mar. 21-27	11		
Naples	Mar. 21-27	14	2	
Mexico:				
Aguascalientes	Mar. 28-Apr. 2		6	
New Providence:				
Nassau	Apr. 2		1	From s. s. Vigilancia.
Philippine Islands:				
Manila	Feb. 20-26		5	
Portugal:				
Lisbon	Mar. 20-26	40		
Russia:				
Libau	Mar. 20-27	4	1	
Moscow	Feb. 20-Mar. 12	71	27	
Odessa	Mar. 20-26	74	9	
Riga	Mar. 20-26		2	
St. Petersburg	Mar. 13-19	39	13	
Spain:				
Barcelona	Mar. 22-28		3	

Reports Received from January 1 to April 15, 1910.

[For reports received from June 25, 1909, to December 31, 1909, see PUBLIC HEALTH REPORTS for December 31, 1909. In accordance with custom, the tables of epidemic diseases are terminated semiannually and new tables begun.]

CHOLERA.

Place.	Date.	Cases.	Deaths.	Remarks.
Ceylon:				
Colombo	Feb. 13-19	5		
Germany:				
Heydekrug	Nov. 19-Dec. 4	2		
Niedrung	Nov. 16-22	1		
India:				
Bombay	Nov. 24-Mar. 8		22	
Calcutta	Nov. 14-Feb. 26		536	
Madras	Jan. 1-Feb. 4		2	
Moulmine	Jan. 22-Feb. 4		13	
Negapatam	Jan. 30-Feb. 17		14	
Rangoon	Nov. 14-Feb. 19		45	
Java:				
Batavia	Nov. 14-Mar. 5	388	111	
Samarang	Feb. 20-26	20	15	
Norway:				
Friedershald	Dec. 31-Jan. 3	1	1	From a vessel from Riga.
Persia:				
Astara	Dec. 1-15	36	22	
Philippine Islands:				
Manila	Nov. 7-Feb. 19	111	97	Third quarter, 1909. Cases 82; deaths 61.
Provinces				Third quarter, 1909. Cases 3,946; deaths 2,609.
Albay	Nov. 7-20	6	6	
Bataan	Nov. 7-Feb. 19	215	155	
Bohol	Nov. 7-Feb. 19	47	30	
Bulacan	Nov. 7-Jan. 1	32	27	
Camarines	Nov. 7-20	5	5	
Capiz	Nov. 21-Dec. 18	3	2	Jan. 1-Feb. 12, 50 cases from a coasting vessel.
Cavite	Nov. 7-Feb. 19	107	78	Nov. 20, 1 case on s. s. Yaptico
Cebu	Nov. 7-Feb. 12	333	251	
Laguna	Dec. 19-25	4	4	
Leyte	Nov. 21-Jan. 15	36	32	
Misamis	Jan. 16-Feb. 19	42	40	
Oriental Negros	Nov. 7-20	10	5	
Pampanga	Nov. 7-Feb. 19	210	55	
Rizal	Nov. 7-Jan. 22	11	7	
Tarlac	Nov. 7-13	9	5	

CHOLERA, YELLOW FEVER, PLAGUE, AND SMALLPOX—Continued.

Reports Received from January 1 to April 15, 1910.

CHOLERA—Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
Russia, general	Nov. 21-Jan. 29	440	203	
Baku, government	Nov. 21-Dec. 25	22	22	
Baku	Nov. 21-Jan. 15	27	17	
Don, territory	Nov. 28-Jan. 29	19	12	
Ekaterinslav, government	Nov. 21-Jan. 1	23	7	
Jaroslav, government	Nov. 21-27		1	
Kaluga	Dec. 26-Jan. 1	1		
Kostroma, government	Nov. 21-27	3	4	
Kovna, government	Nov. 21-27	8	3	
Kursk, government	Nov. 21-Dec. 11	6		
Moscow, government—				
Moscow	Nov. 29-Jan. 22	256	115	
Novotscherkask	Mar. 18	2	2	
Pskov, government	Nov. 21-27	10		
St. Petersburg, government	Nov. 21-Dec. 18	14	12	
St. Petersburg	Nov. 21-Jan. 1	53	12	
Taurida, government	Nov. 21-Dec. 25	66	28	
Vitebsk, government	Nov. 21-27	2		
Siam:				
Bangkok	Oct. 28-Feb. 28	15	15	
Siberia:				
Vladivostok	Nov. 16-21	1		
Straits Settlements:				
Singapore	Dec. 19-Jan. 15		4	
Sumatra:				
Palembang	Sept. 20-Oct. 20	936	675	
Turkey in Asia:				
Trebizond	Nov. 28	1		On a vessel from Batum.

YELLOW FEVER.

Brazil:				
Manaos	Nov. 21-Mar. 12		58	
Para	Nov. 28-Mar. 26	105	82	
Ecuador:				
Babahoyo	Jan. 1-Mar. 15	5	1	
Guayaquil	Dec. 1-Mar. 15	155	50	
Peru:				
Callao	Nov. 2-Dec. 2	1	1	From s. s. Loa.
Mexico:				
Yucatan—				
Merida	Dec. 20-21	1	1	
Santa Cruz de Bravo	Dec. 20	1	1	
Panama:				
Canal Zone—				
Ancon	Jan. 24		1	At Ancon hospital, from s. s. Barbadian.
Culebra Island	Mar. 1-8	1	1	At Culebra quarantine station, from s. s. Huallago.
Trinidad:				
Port of Spain	Nov. 28-Dec. 4	1	1	
Venezuela:				
La Guaira	Mar. 1-15	3	3	

PLAGUE.

Arabia:				
Aden	Jan. 21-23	1	1	From an Austrian mail steamer from Bombay.
Brazil:				
Bahia	Nov. 20-Feb. 18	55	29	
Para	Nov. 28-Feb. 19	12	9	
Pernambuco	Oct. 15-Feb. 15		24	
Rio de Janeiro	Nov. 2-Jan. 23	16	2	
Santos	Nov. 1-Dec. 29	5	3	One case from bark Amazone Dec. 1. Feb. 2 present.
Chile:				
Iquique	Feb. 12-24			Present in endemic form.
Taltal	Jan. 15	2	1	
China:				
Hankow	Nov. 27-Dec. 7	20	20	Feb. 1 again present.
Hongkong	Nov. 21-27	1	1	
Ecuador:				
Babahoyo	Dec. 16-Feb. 15	18	6	
Guayaquil	Dec. 1-Mar. 15	237	91	
Milagro	Jan. 1-Mar. 15	23	7	

CHOLERA, YELLOW FEVER, PLAGUE, AND SMALLPOX—Continued.

Reports Received from January 1 to April 15, 1910.

PLAGUE—Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
Egypt:				
Alexandria	Nov. 19–Mar. 10	5	4	
Port Said	Nov. 30–Dec. 22	2	1	
Provinces—				
Assiout	Sept. 29–Mar. 17	65	20	
Beherach	Dec. 8–14	1	.....	
Beni Souef	Dec. 16–Mar. 5	31	10	
Fayoum	Jan. 20–Mar. 15	9	7	
Galioobeh	Jan. 11–Feb. 24	10	4	
Garbieh	Feb. 2–Mar. 14	10	8	
Girgeh	Dec. 19–26	2	1	
Ghizeh	Dec. 19–Jan. 2	2	2	
Kena	Feb. 3–20	1	1	
Menouf	Nov. 28–Dec. 15	17	6	
Minieh	Dec. 21–Mar. 17	22	12	
German East Africa:				
Mpwapwa	Sept. 19–Oct. 5	7	.....	
Hawaii:				
Hilo	Mar. 12–22	4	4	
Honokaa	Mar. 14–15	2	2	
India:				
Bombay	Dec. 27–Mar. 8	.....	518	
Calcutta	Nov. 20–Feb. 26	.....	132	
Kurrachee	Dec. 19–Feb. 26	460	451	
Rangoon	Nov. 13–Feb. 13	.....	34	
Bombay Presidency and Sind.	Nov. 7–Jan. 22	11,137	7,821	
Madras Presidency	Nov. 7–Jan. 22	1,011	705	
Bengal	Nov. 7–Jan. 22	8,109	6,509	
United provinces	Nov. 7–Jan. 22	36,037	33,019	
Punjab	Nov. 7–Jan. 22	14,277	11,704	
Burma	Nov. 7–Jan. 22	898	766	
Central provinces, including Berar.	Nov. 7–Jan. 22	10,322	8,355	
Coorg	Nov. 14–27	5	1	
Mysore State	Nov. 7–Jan. 22	1,388	1,020	
Hyderabad State	Nov. 7–Jan. 22	155	126	
Central India	Nov. 7–Jan. 22	850	638	
Rajputana and Ajmer-Merwara.	Nov. 7–Jan. 22	4,157	3,674	
Kashmir	Nov. 7–Jan. 22	165	110	
Grand total	.....	88,511	74,448	
Indo-China:				
Saigon	Nov. 7–Dec. 25	5	4	
Japan:				
Kobe	Nov. 28–Feb. 26	25	20	
Shikoku Island	Jan. 30–Feb. 5	1	.....	
Paraguay	Dec. 10	.....	30	In the northern part.
Peru:				
Arequipa, department	Dec. 10–16	1	.....	
Mollendo	Dec. 20–Feb. 25	6	2	
Callao, department—				
Callao	Jan. 17–Feb. 7	5	.....	
Lambayeque, department	Oct. 1–Dec. 16	39	13	
Libertad, department	Nov. 19–Dec. 16	32	3	
Lima, department	Oct. 22–Dec. 16	10	6	
Lima	Feb. 11–25	1	.....	In lazaretto from s. s. Ammon.
Pisco	Feb. 19	1	.....	From s. s. Ammon.
Mauritius	Dec. 18–Jan. 27	120	70	
Russia:				
Astrakan, government	Dec. 5–Feb. 27	134	120	
Naourzall-Tchagil	Jan. 17–Feb. 2	26	26	
Belskulak	Dec. 10–16	18	16	
Bodal	Mar. 1	9	.....	
Dschedda	Jan. 7	.....	.....	Present.
Libau	Dec. 3–Mar. 18	4	4	
Uralsk, district	Nov. 25–Jan. 12	208	202	
Siam:				
Bangkok	Oct. 28–Feb. 28	34	30	
Phrapatom	Feb. 15	.....	.....	Epidemic.
Straits Settlements:				
Singapore	Dec. 25–Jan. 1	2	2	
Turkey in Asia:				
Beirut	Nov. 29–Dec. 14	3	.....	
Jiddah	Jan. 5–Mar. 19	37	35	
Venezuela:				
Puerto Cabello	Feb. 24	2	.....	
Zanzibar	Nov. 9–17	2	2	

CHOLERA, YELLOW FEVER, PLAGUE, AND SMALLPOX—Continued.

Reports Received from January 1 to April 15, 1910.

SMALLPOX.

Place.	Date.	Cases.	Deaths.	Remarks.
Abyssinia:				
Adis Ababa	Feb. 19-26			Epidemic.
Arabia:				
Aden	Feb. 15-21		1	
Algeria, general	Dec 1-15	22		
Algiers	Nov. 1-Jan. 31		3	
Bona	Dec. 1-Feb. 28	12	9	
Argentina:				
Buenos Aires	Oct. 1-Dec. 31		85	
Rosario	Dec. 1-31		1	
Austria:				
Bohemia	Feb. 20-26	1		
Galicia	Jan. 1-Mar. 5	12		
Vienna	Jan. 9-29	2		
Brazil:				
Bahia	Nov. 20-Feb. 18	292	195	
Para	Jan. 31-Mar. 5	1		
Pernambuco	Oct. 16-Feb. 15		355	
Rio de Janeiro	Nov. 2-Feb. 27	25	1	
Sao Paulo	Nov. 1-21		2	
Canada:				
British Columbia—				
Vancouver	Jan. 1-31	3		
Nova Scotia—				
Halifax	Dec. 19-Apr. 2	5		
Windsor	Dec. 1-Jan. 31	40		
Ontario—				
Port Arthur	Mar. 11-19	5		
Ceylon:				
Colombo	Feb. 6-12	5		
Chile:				
Antofagasta	Jan. 1			Present. Feb. 12, 8 cases in lazaretto.
Quillota	Nov. 28-Dec. 4			Present.
Valparaiso	Nov. 20-Jan. 1			Do.
China:				
Amoy	Nov. 28-Feb. 12		8	
Canton	Dec. 12-Feb. 23	105	9	
Chang Cheun	Dec. 11			Do.
Chio Be	Dec. 11			Do.
Hankow	Jan. 2-Feb. 19	2	1	Dec. 19-Feb. 26, present among natives.
Hongkong	Feb. 5-19	8	2	
Shanghai	Nov. 1-Mar. 6	4	21	Deaths among natives.
Swatow	Apr. 6			Epidemic.
Cuba:				
Habana	Dec. 3-9	1		From s. s. La Navarre.
Ecuador:				
Guayaquil	Jan. 1-31	3		
Egypt, general	Nov. 5-Feb. 18	749	187	
Alexandria	Nov. 5-Jan. 21	20	19	
Cairo	Nov. 26-Mar. 11	16	4	
France:				
Nantes	Jan. 1-31	1		
Paris	Dec. 5-Mar. 19	125	16	
Germany, general	Dec. 5-Mar. 12	85		
Bremen	Feb. 27-Mar. 5	1		
Konigsberg	Dec. 12-Jan. 15	2	2	In vicinity.
Great Britain:				
Bristol	Feb. 6-Mar. 19	3		Mar. 13-19. 1 case on steamship from Bombay.
Greenock	Feb. 6-12	1		
Hull	Jan. 16-22	2		
Liverpool	Dec. 19-Feb. 5	9		
London	Nov. 28-Mar. 5	21		
Newcastle-on-Tyne	Feb. 13-Mar. 5	3	1	
Nottingham	Jan. 16-26	4	1	
Plymouth	Nov. 12-18		1	
Southampton	Nov. 12-18	1		
South Shields	Feb. 13-19	1		
Greece:				
Athens	Nov. 22-Mar. 12		19	
Hawaii:				
Honolulu	Jan. 31-Apr. 9	4	1	2 cases Jan. 31 from U. S. S. Washington from Yokohama. 1 case Feb. 2 on s. s. Makura. 1 case Apr. 9 on s. s. Manchuria from the Orient.

CHOLERA, YELLOW FEVER, PLAGUE, AND SMALLPOX—Continued.

Reports Received from January 1 to April 15, 1910.

SMALLPOX—Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
India:				
Bombay	Nov. 24-Mar. 8		302	
Calcutta	Nov. 14-Feb. 26		15	
Kurrachee	Jan. 2-Feb. 26	13	2	
Madras	Dec. 18-Mar. 4		6	
Rangoon	Nov. 20-Feb. 19		77	
Indo-China:				
Saigon	Dec. 7-13	1		
Italy, general	Nov. 29-Mar. 20	262		
Genoa	Dec. 1-Mar. 15	20	1	
Milan	Jan. 1-16	1		
Naples	Dec. 6-Mar. 20	260	45	
Japan:				
Formosa	Feb. 6-Mar. 5	57	7	
Kobe	Dec. 12-25	1	1	
Java:				
Batavia	Dec. 12-Feb. 12	9	1	
Korea:				
Fusan	Feb. 1-12	6	1	
Ilmyokyo	Feb. 26			Present.
Liberia:				
Monrovia	Nov. 28-Dec. 4	6		
Malta:				
Valetta	Dec. 12-Jan. 15	3	1	
Manchuria:				
Tie-ling	Feb. 19			Do.
Mexico:				
Aguascalientes	Dec. 12-Mar. 26		38	
Chihuahua	Dec. 13-Mar. 27	16	9	
Guadaljara	Jan. 29-Mar. 11		6	
Manzanillo	Mar. 1-6	5		
Mexico	Nov. 14-Feb. 19		16	
Monterey	Nov. 13-Feb. 20		2	
Veracruz	Feb. 13-19	1		
Netherlands:				
Rotterdam	Dec. 5-11	7		
Persia:				
Arabistan	Dec. 6-31			Do.
Enzeli	Jan. 9-Feb. 2			Do.
Hamadan	Nov. 15-Dec. 31			Do.
Kasbin	Jan. 5-Feb. 3			Do.
Kurdistan	Dec. 6-31			Do.
Laristan	Dec. 9-15			Do.
Mohammerah	Jan. 9-Feb. 2			Do.
Sultanabad	Nov. 15			Do.
Teheran	Nov. 1-Dec. 2			Do.
Peru:				
Callao	Dec. 6-12			Do.
Philippine Islands:				
Manila	Nov. 14-Feb. 19	38		Third quarter, 1909—Cases, 5; deaths, 0.
Portugal:				
Lisbon	Dec. 5-Mar. 19	235		
Porto Rico, general	July 1-Dec. 31	72	12	
Russia:				
Batoum	Dec. 1-31	5		
Libau	Dec. 6-Mar. 13	41		
Moscow	Nov. 21-Feb. 19	160	53	
Odessa	Nov. 21-Mar. 19	383	87	
Riga	Dec. 5-Mar. 19	51		Oct. 1-Dec. 31, 26 deaths.
St. Petersburg	Nov. 28-Mar. 12	698	201	
Saratov	Mar. 19-25			Epidemic.
Warsaw	Oct. 24-Jan. 29		213	
Siam:				
Bangkok	Nov. 28-Feb. 28	11	10	
Siberia:				
Vladivostok	Jan. 15-Feb. 13	6	2	
Spain:				
Almeria	Jan. 1-31		13	
Barcelona	Dec. 14-Mar. 7		33	
Cadiz	Jan. 1-31		1	
Huelva	Nov. 1-Feb. 28		19	
Madrid	Dec. 1-Jan. 31		59	
Seville	Dec. 1-Feb. 28		12	
Tarragona	Feb. 20-26		1	
Valencia	Jan. 9-Mar. 19	7		
Vigo	Jan. 23-Mar. 19		2	Mar. 5-19, present in vicinity.

CHOLERA, YELLOW FEVER, PLAGUE, AND SMALLPOX—Continued.

Reports Received from January 1 to April 15, 1910.

SMALLPOX—Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
Straits Settlements:				
Singapore	Jan. 22–Feb. 19		7	
Tripoli:				
Tripoli	Nov. 14–Dec. 25	242	24	
Turkey:				
Constantinople	Jan. 2–Feb. 6		2	
Turkey in Asia:				
Bagdad	Nov. 21–Feb. 26			Present.
Salonica	Jan. 1–31		3	
Smyrna	Nov. 5–Dec. 31		42	
Trebizond	Mar. 5			Do.
Uruguay:				
Montevideo	Oct. 1–Jan. 31		94	
Venezuela:				
La Guaira	Mar. 1–15	1		

MORTALITY.

WEEKLY MORTALITY TABLE, FOREIGN AND INSULAR CITIES.

Cities.	Week ended—	Estimated population.	Total deaths from all causes.	Deaths from— Tuberculosis.	Plague.	Cholera.	Yellow fever.	Smallpox.	Typhus fever.	Typhoid fever	Scarlet fever.	Diphtheria.	Measles.	Whooping cough.
Aberdeen	Mar. 19	185,703	58									2		1
Do	Mar. 26	185,703	52								1	2		
Aguascalientes	Apr. 2	40,000	50	1				6						4
Amoy	Mar. 5	400,000						4						
Amsterdam	Mar. 26	569,712	154	31						1				1
Antwerp	Mar. 19	326,351	67	7									2	2
Do	Mar. 20	326,351	77										4	3
Barcelona	Mar. 28	591,272	315	35				3		1		5	4	
Barmen	Mar. 19	164,000	47	5					1		1			
Barranquila	Mar. 26	40,000	19	1						1				
Berlin	Mar. 12	2,127,213	562	90							4	10	4	7
Do	Mar. 19	2,130,217	545	79						2	15	11	3	8
Birmingham	Mar. 26	558,336	163								2	3		9
Do	Apr. 2	570,113	171							1	3			12
Bremen	Mar. 19	235,648	61	8								1		1
Do	Mar. 26	235,648	73	9					1		1		1	3
Do	Apr. 2	235,648	49	6					1		1		2	
Bristol	Mar. 26	382,550	100	10						1			1	4
Do	Apr. 2	382,550	100	12								1		1
Bombay	Mar. 15	977,822	827	59	126			63		5			3	
Brussels	Mar. 19	720,030	189	14									1	3
Do	Mar. 26	720,030	189	18						1		1	5	5
Calcutta	Mar. 5	847,796	523	37	29	49		2					10	
Chemnitz	Mar. 19	280,230	66	10								1		
Do	Mar. 26	280,230	61	7						1		2		
Christiania	do	236,000	52	12						1				
Coburg	Mar. 19	23,569	5	1							1	1		
Cologne	do	477,128	148									2	2	5
Do	Mar. 26	477,128	150	16							3	3	6	5
Colombo	Feb. 26	187,564	113	13						7				
Do	Mar. 5	187,564	111	10						3				
Constantinople	Mar. 27	1,000,000	285	40						4	1	3	3	
Dresden	Mar. 19	552,000	155	18							1	6	1	
Do	Mar. 26	552,000	171	16								3		1
Dublin	Feb. 26	394,525	228	36						1	1	2		
Do	Mar. 5	394,525	208	38						2	1			3
Do	Mar. 12	394,525	204	38								1		2
Do	Mar. 19	394,525	149	25						1	1	1		1
Do	Mar. 26	394,525	185	36						1		1	1	2

MORTALITY—Continued.

Weekly mortality table, foreign and insular cities—Continued.

Cities.	Week ended—	Estimated population.	Total deaths from all causes.	Deaths from— Tuberculosis.	Plague.	Cholera.	Yellow fever.	Smallpox.	Typhus fever.	Typhoid fever.	Scarlet fever.	Diphtheria.	Measles.	Whooping cough.
Dundee	Mar. 26	170,206	65	3							1	1	9	
Do	Apr. 2	170,206	80	5									17	
Edinburgh	Mar. 26	360,276	85	5							1		3	1
Frankfort on the Main		372,000	95									4	2	2
Erfurt	Mar. 19	109,106	31	4								2		1
Geneva	Mar. 12	121,500	40									2		
Do	Mar. 19	121,500	42										1	
Ghent	do	165,475	47	5						1			1	
Do	Mar. 26	165,475	52	8							1	1	1	
Glasgow	Apr. 1	872,021									2		19	6
Halifax	Apr. 9	50,000	13	1										
Havre	Mar. 26	132,430	55	11						1		1		
Hilo	do	3,500	6		1									
Holyhead	Mar. 19	11,179	6									1		
Hongkong	Feb. 26	336,488						2						
Hull	Mar. 26	280,006	91									3	6	1
Karachi	Mar. 12	130,000	122		73									
Kingston	Mar. 26	48,504								1				
Kobe	Mar. 12	380,717	146		1							4		
Konigsberg	Mar. 19	243,200	75	12							2			2
Do	Mar. 26	243,200	81	10									2	1
Leeds	do	490,985	125	7								1		
Do	Apr. 2	490,985	132	6							1	1	1	1
Leipzig	Mar. 19	590,329	155	23							1	3		
Do	Mar. 26	590,329	165	24					1	1		2		4
Leith		86,767	22	4							1		4	
Libau	Mar. 27	90,000						1			1			
Liverpool	Mar. 26	767,606	264	21							5	2	10	17
Do	Apr. 2	767,606	280	29							3	2	14	15
London	Mar. 26	7,537,196	1,782							7	10	23	27	67
Madras	Mar. 11	550,000	335					3					2	
Magdeburg	Mar. 19	278,026	63	8								1	1	1
Manaos	do	52,000	44	4			4							
Do	Mar. 26	52,000	29	3			2							
Manchester	Mar. 19	631,533	197	19						1	3	5	5	8
Do	Mar. 26	631,533	224	24							2	3	7	6
Mannheim	Mar. 12	186,307	34	9							1			1
Montreal	Apr. 9	389,836	165	23						1	5		1	3
Moscow	Feb. 26	1,335,104	719	108				11	3	1	21	34	19	8
Do	Mar. 5		723	111				9	6	4	23	22	24	12
Do	Mar. 12		809	116				7	6	3	19	31		
Munich	Mar. 19	576,000	172	34							2	1		2
Naples	Mar. 25	593,729	288					2				2	2	
Newcastle-on-Tyne	Mar. 26	281,584	59									2		
Nottingham	Mar. 19	260,000	73									3		3
Do	Mar. 26		61								1		1	1
Palermo	Mar. 5	340,000	207	4					1				3	
Do	Mar. 12		162	3					1				8	
Do	Mar. 19		199	7							1		3	
Para	Mar. 26	185,000	100	8			10							
Do	Apr. 2		110	5			5							
Paris	Mar. 26	2,776,394	1,031	228				1		3	5	8	22	9
Port Elizabeth	Mar. 12	32,959	14	2								1		
Prague	Mar. 26	233,649	147	29							1		2	
Quebec	Apr. 9	81,000		4									1	
Rangoon	Mar. 5	252,155	204	6	9	1		36						
Rotterdam	Mar. 26	419,180	142								1	2		
Do	Apr. 2		121							2	1			
Santa Cruz de Teneriffe	Mar. 26	46,000	26	2					1		5	2		
Santiago de Cuba	do	45,497	22							1			1	
St. Petersburg	Mar. 19	1,678,000	935	164				13	2	13	17	24	65	12
Shanghai	Mar. 13	565,000	148	10				7			2	1		
Sheffield	Mar. 26	472,000	124	5								1		4
Do	Apr. 2		136	8										7
Stettin	Mar. 19	239,000	74	8						1	2			
Do	Mar. 26		71	3							1		1	
Smyrna	Mar. 4	400,000	70	11						2				
Do	Mar. 11		71	10						1				
Do	Mar. 18		93	18						2		2		

MORTALITY—Continued.

Weekly mortality table, foreign and insular cities—Continued.

Cities.	Week ended—	Estimated population.	Total deaths from all causes.	Deaths from—										
				Tuberculosis.	Plague.	Cholera.	Yellow fever.	Smallpox.	Typhus fever.	Typhoid fever.	Scarlet fever.	Diphtheria.	Measles.	Whooping cough.
South Shields	Mar. 19	119,737	33	2									1	2
Do	Mar. 26		43	10									2	3
Sunderland	do	146,077	43	4										2
Talcahuana	Mar. 19	28,000								1				
Trieste	Mar. 12	218,727	124							1			12	3
Do	Mar. 19		126									1	1	1
Do	Mar. 26		115							1			2	
Tripoli	Mar. 5	42,000								1				
Do	Mar. 12									1				
Turin	Mar. 17	391,968	175	26						1	1	4	4	
Vienna	Mar. 12	2,085,888	683	111						1	2	8	13	4
Do	Mar. 19		705	110						2	5	7	20	3
Vigo	Mar. 26	40,000	9	1						3				
Vladivostok	Feb. 28	90,162	13							1	2			
Yokkaichi	Feb. 19	70,000	15	2									3	
Do	Feb. 26		9	2									2	
Do	Mar. 6		10	1										
Do	Mar. 12		29	1									3	
Yokohama	Mar. 21	392,780										3		

MORTALITY—FOREIGN AND INSULAR—COUNTRIES AND CITIES (untabulated).

AUSTRALIA—NEW SOUTH WALES—*Newcastle.*—Month of January, 1910. Population, 53,450. Total number of deaths from all causes 45, including typhoid fever 5, tuberculosis 6.

BRAZIL—*Pernambuco.*—January 15 to 31, 1910. Population, 210,000. Total number of deaths from all causes 406, including smallpox 71, measles 3, plague 1, tuberculosis 70.

February 1 to 15, 1910. Total number of deaths 423, including typhoid fever 1, smallpox 79, measles 3, plague 2, tuberculosis 53.

CANADA—*Sherbrooke.*—Month of March, 1910. Population, 15,300. Total number of deaths from all causes 17, including typhoid fever 1, diphtheria 1, tuberculosis 2.

FRANCE—*Toulon.*—Month of March, 1910. Population, 101,602. Total number of deaths from all causes 186, including typhoid fever 2, tuberculosis 22.

GREAT BRITAIN.—Week ended March 19, 1910:

England and Wales.—The deaths registered in 76 great towns correspond to an annual rate of 13.5 per 1,000 of the population, which is estimated at 16,713,617.

Ireland.—The deaths registered in 21 principal town districts correspond to an annual rate of 19 per 1,000 of the population, which is estimated at 1,151,790. The lowest rate was recorded at Dundalk, viz, 4, and the highest at Tralee, viz, 42.3 per 1,000.

Scotland.—The deaths registered in 8 principal towns correspond to an annual rate of 16.9 per 1,000 of the population, which is estimated at 1,864,194. The highest rate was recorded at Dundee, viz, 22.1, and the lowest at Edinburgh and Paisley, viz, 15.1. The total number of deaths from all causes was 612, including typhoid fever 2, measles 35, scarlet fever 4, diphtheria 8.

MALTA.—Two weeks ended March 19, 1910. Population, 212,888. Total number of deaths from all causes 170, including typhoid fever 5, tuberculosis 4.

MEXICO—*Matamoros.*—Month of March, 1910. Population 8,000. Total number of deaths from all causes 6, including typhoid fever 1, tuberculosis 5.

SIAM—*Bangkok.*—Month of February, 1910. Population 600,000. Total number of deaths from all causes, not reported. Deaths from contagious disease, include smallpox 6, cholera 3, plague 20.

SOUTH AFRICA—*Johannesburg.*—Two weeks ended March 5, 1910. Population 180,687. Total number of deaths from all causes 157, including typhoid fever 6, scarlet fever 1, diphtheria 2, tuberculosis 13.

SPAIN—*Malaga.*—Month of February, 1910. Population 135,000. Total number of deaths from all causes 355, including typhoid fever 5, measles 2, scarlet fever 1, tuberculosis 25.

By authority of the Secretary of the Treasury:

WALTER WYMAN,
Surgeon-General,
United States Public Health and Marine-Hospital Service.